USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Water Supply Outlook Report February 1, 2009

Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

Water Supply Specialist
Federal Building
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Phone 406-587-6991

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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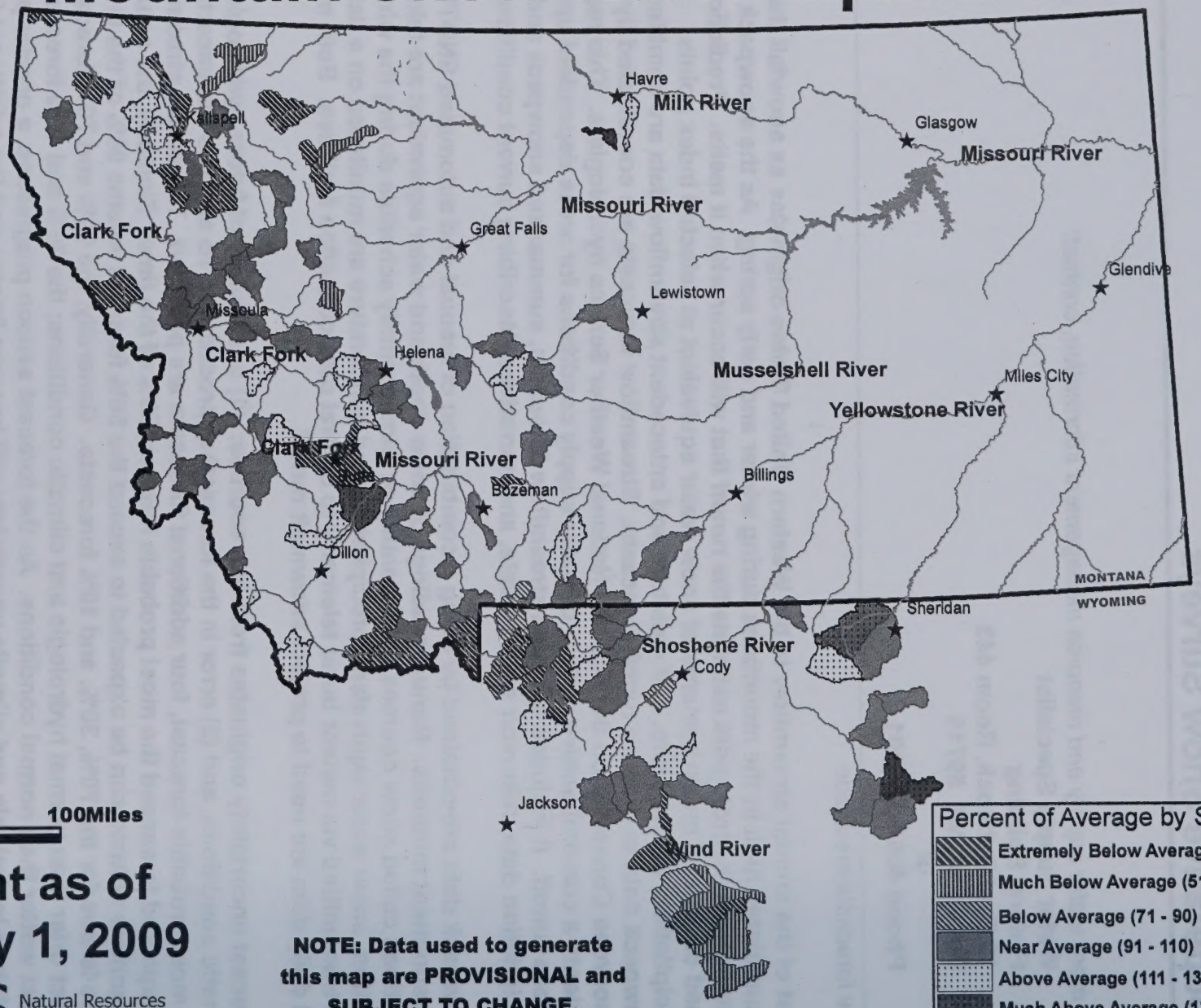
Mountain Snow Water Equivalent



Current as of February 1, 2009

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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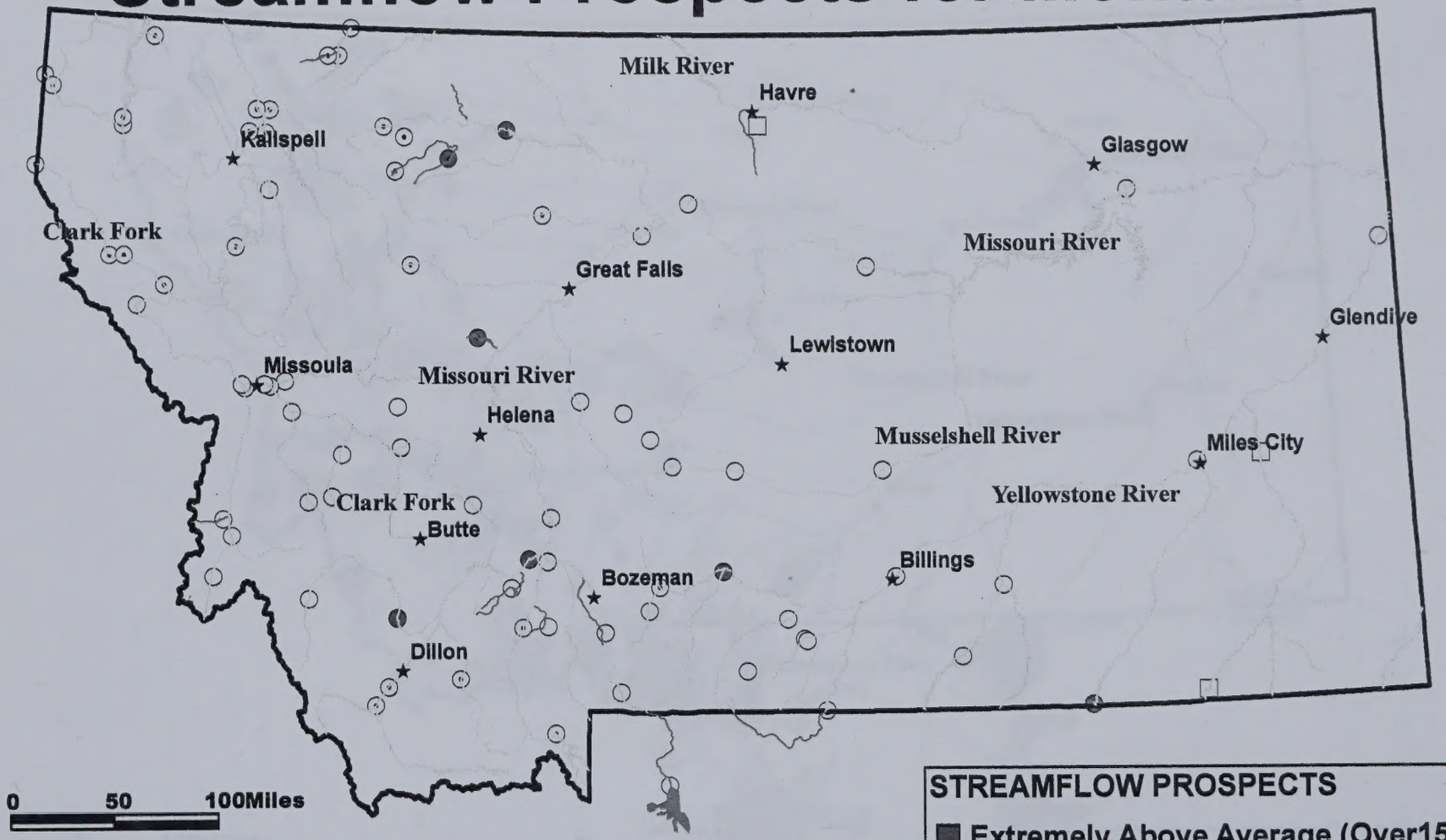
Streamflow Prospects for Montana



Current as of February 1, 2009

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STREAMFLOW PROSPECTS

- ■ Extremely Above Average (Over150)
- □ Much Above Average (131 - 150)
- ● Above Average (111 - 130)
- ○ Near Average (91 - 110)
- ⊙ Below Average (71 - 90)
- ◉ Much Below Average (51 - 70)
- ▲ Extremely Below Average (Below 51)

Surface Water Supply Index (SWSI) Values

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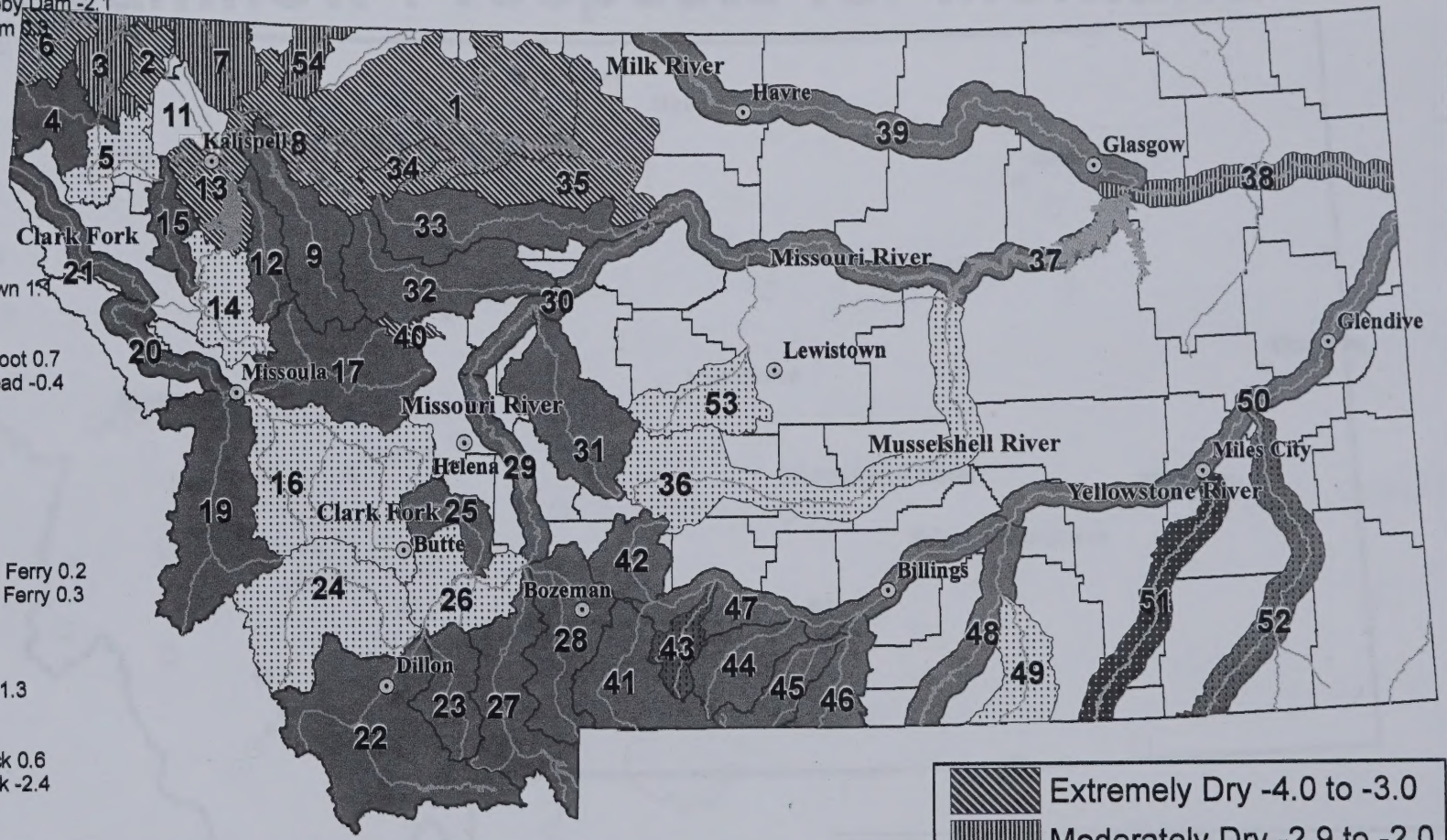

RIVER INDEX & SWSI VALUES

1 Marias above Tiber Reservoir -1.4
2 Tobacco -1.1
3 Kootenai Ft. Steele to Libby Dam -2.1
4 Kootenai below Libby Dam
5 Fisher 1
6 Yaak -1
7 North FK. Flathead -2.2
8 Middle FK. Flathead -1.5
9 South FK. Flathead -0.2
11 Stillwater/Whitefish
12 Swan -0.5
13 Flathead at Polson -1
14 Mission Valley 1.2
15 Little Bitterroot -0.8
16 Clark Fork above Milltown
17 Blackfoot 0.5
19 Bitterroot 0.4
20 Clark Fork below Bitterroot 0.7
21 Clark Fork below Flathead -0.4
22 Beaverhead -0.2
23 Ruby -0.5
24 Big Hole 1.3
25 Boulder (Jefferson) 0.9
26 Jefferson 1.7
27 Madison -0.4
28 Gallatin 0.9
29 Missouri above Canyon Ferry 0.2
30 Missouri below Canyon Ferry 0.3
31 Smith 0.5
32 Sun -0.4
33 Teton 0.3
34 Birch/Dupuyer Creeks -1.3
35 Marias -1.2
36 Musselshell 1.1
37 Missouriabove Fort Peck 0.6
38 Missouribelow Fort Peck -2.4
39 Milk 0.5
40 Dearbornnear Craig -1
41 Yellowstone above Livingston 0.8
42 Shields 0.2
43 Boulder(Yellowstone) 2.2
44 Stillwater 0.3
45 Rock/Red Lodge Creeks 0.1
46 Clarks Fork 0.6
47 Yellowstone above Bighorn 0.8
48 Bighorn below Bighorn Lake 0.9
49 Little Bighorn 1.8
50 Yellowstone below Bighorn 0.9
51 Tongue 3.1
52 Powder 2.4
53 Upper Judith River 1.1
54 Saint Mary River -2.4

0 45 90 Miles

Current as of February 1, 2009

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Sightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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SNOTEL AND SNOW COURSE SUMMARY

FEBRUARY 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ALBRO LAKE SNOTEL	8300	2/01/09	43	13.1	10.8	13.1
ASHLEY DIVIDE	4820	1/28/09	25	5.8	6.2	5.1
ASHLEY LAKE	4000	1/28/09	22	4.8	5.7	4.4
BADGER PASS SNOTEL	6900	2/01/09	60	16.6	23.1	22.3
BANFIELD MTN SNOTEL	5600	2/01/09	38	11.0	13.7	13.3
BARKER LAKES SNOTEL	8250	2/01/09	41	10.8	8.0	9.2
BASIN CREEK SNOTEL	7180	2/01/09	19	4.9	3.7	4.9
BEAGLE SPGS SNOTEL	8850	2/01/09	28	6.7	7.0	5.5
BEAVER CREEK SNOTEL	7850	2/01/09	45	12.1	13.8	11.5
BISSON CREEK SNOTEL	4920	2/01/09	24	5.7	5.9	6.8
BLACK BEAR SNOTEL	7950	2/01/09	75	21.2	32.4	25.6
BLACK PINE SNOTEL	7100	2/01/09	34	9.1	8.0	8.0
BLACKTAIL	5650	1/27/09	31	8.6	8.9	9.6
BLOODY DICK SNOTEL	7550	2/01/09	36	8.7	8.8	8.4
BOULDER MTN SNOTEL	7950	2/01/09	49	14.6	14.4	13.4
BOX CANYON SNOTEL	6700	2/01/09	31	7.9	6.2	6.7
BOXELDER CREEK	5100	1/29/09	25	5.8	2.4	5.2
BRACKETT CR SNOTEL	7320	2/01/09	39	11.7	12.5	13.3
BURNT MTN SNOTEL	5880	2/01/09	17	3.9	2.3	4.0
CALVERT CR SNOTEL	6430	2/01/09	26	6.1	6.7	5.9
CARROT BASIN SNOTEL	9000	2/01/09	60	16.7	21.8	18.1
CHESSMAN RESERVOIR	6200	1/30/09	12	3.0	1.6	2.5
CHICKEN CREEK	4060	1/28/09	42	10.2	16.4	11.5
CLOVER MDW SNOTEL	8800	2/01/09	38	10.0	12.1	11.1
COLE CREEK SNOTEL	7850	2/01/09	32	9.1	5.3	9.8
COMBINATION SNOTEL	5600	2/01/09	18	3.7	3.8	3.4
COPPER BOTTOM SNOTEL	5200	2/01/09	19	5.4	5.7	8.0
COPPER CAMP SNOTEL	6950	2/01/09	91	31.3	36.9	--
COPPER MOUNTAIN	7700	1/26/09	27	5.3	6.3	7.0
COYOTE HILL	4200	1/29/09	31	7.9	7.2	7.3
CREVICE MOUNTAIN	8400	1/29/09	39	8.2	8.5	7.6
CRYSTAL LAKE SNOTEL	6050	2/01/09	29	7.5	7.2	8.1
DAISY PEAK SNOTEL	7600	2/01/09	24	5.7	5.0	6.7
DALY CREEK SNOTEL	5780	2/01/09	31	7.1	8.4	7.4
DARKHORSE LK. SNOTEL	8700	2/01/09	74	23.0	25.5	20.4
DEADMAN CR SNOTEL	6450	2/01/09	31	7.5	7.2	7.1
DISCOVERY BASIN	7050	1/29/09	29	6.4	5.3	6.6
DIVIDE SNOTEL	7800	2/01/09	28	6.2	7.0	6.9
DIX HILL	6400	2/01/09	34	8.8	7.0	7.6
DUPUYER CREEK SNOTEL	5750	2/01/09	21	4.2	5.1	7.3
EMERY CREEK SNOTEL	4350	2/01/09	36	10.4	11.3	10.5
FISH CREEK	8000	1/30/09	24	7.8	4.5	5.8
FISHER CREEK SNOTEL	9100	2/01/09	84	24.4	29.0	23.8
FLATTOP MTN SNOTEL	6300	2/01/09	75	21.1	32.4	31.8
FROHNER MDWS SNOTEL	6480	2/01/09	22	4.6	4.5	5.0
GARVER CREEK SNOTEL	4250	2/01/09	25	6.1	9.4	7.3
GRAVE CRK SNOTEL	4300	2/01/09	29	8.8	12.2	11.7
HAND CREEK SNOTEL	5030	2/01/09	32	9.9	8.9	8.6
HAWKINS LAKE SNOTEL	6450	2/01/09	48	13.3	18.7	18.4
HEBGEN DAM	6550	1/31/09	24	6.3	7.2	8.2
HELL ROARING DIVIDE	5770	1/30/09	61	18.6	25.4	20.7
HERRIG JUNCTION	4850	1/28/09	50	14.3	20.3	18.1
HOLBROOK	4530	1/30/09	34	7.7	6.7	7.2
HOODOO BASIN SNOTEL	6050	2/01/09	77	23.9	32.7	30.1
INTERGAARD	6450	1/28/09	18	3.0	3.0	4.8
JOHNSON PARK	6450	1/29/09	22	5.1	4.6	3.9
KRAFT CREEK SNOTEL	4750	2/01/09	35	9.5	8.5	10.9
LAKEVIEW RDG. SNOTEL	7400	2/01/09	25	6.3	8.3	7.2
LEMHI RIDGE SNOTEL	8100	2/01/09	32	8.2	7.8	6.9
LICK CREEK SNOTEL	6860	2/01/09	20	5.4	5.6	7.4

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LONE MOUNTAIN SNOTEL	8880	2/01/09	46	12.6	13.4	12.1
LOWER TWIN SNOTEL	7900	2/01/09	40	11.5	11.4	12.0
LUBRECHT SNOTEL	4680	2/01/09	17	4.5	3.9	4.2
LUBRECHT FOREST NO 3	5450	1/29/09	19	4.2	2.9	4.6
LUBRECHT FOREST NO 4	4650	1/29/09	12	2.6	1.7	2.5
LUBRECHT FOREST NO 6	4040	1/29/09	13	2.8	2.4	2.8
LUBRECHT HYDROPLOT	4200	1/29/09	17	3.7	3.3	4.2
MADISON PLT SNOTEL	7750	2/01/09	47	12.3	20.5	16.2
MANY GLACIER SNOTEL	4900	2/01/09	26	6.8	9.3	11.2
MARIAS PASS	5250	1/30/09	36	10.7	12.0	11.7
MONUMENT PK SNOTEL	8850	2/01/09	56	15.9	15.7	14.2
MOSS PEAK SNOTEL	6780	2/01/09	68	20.5	21.3	24.6
MOULTON RESERVOIR	6850	1/30/09	21	4.9	4.1	5.2
MT LOCKHART SNOTEL	6400	2/01/09	45	11.2	14.8	14.2
MULE CREEK SNOTEL	8300	2/01/09	48	12.6	10.8	10.4
N.E. ENTRANCE SNOTEL	7350	2/01/09	32	7.2	5.6	7.7
NEVADA RIDGE SNOTEL	7020	2/01/09	42	10.5	9.9	10.1
NEZ PERCE CMP SNOTEL	5650	2/01/09	48	10.9	10.0	9.9
NEZ PERCE CREEK	6600	1/26/09	16	3.1	4.0	4.3
N.F. ELK CR SNOTEL	6250	2/01/09	31	7.8	6.2	8.0
NF JOCKO SNOTEL	6330	2/01/09	86	26.9	22.7	30.1
NOISY BASIN SNOTEL	6040	2/01/09	80	23.9	24.2	27.0
OPHIR PARK	7150	2/01/09	41	11.8	7.5	10.6
PETERSON MDW SNOTEL	7200	2/01/09	27	6.9	4.8	6.1
PICKFOOT CRK SNOTEL	6650	2/01/09	26	6.7	6.5	7.9
PIKE CREEK SNOTEL	5930	2/01/09	70	13.0	17.6	17.8
PIPESTONE PASS	7200	1/26/09	13	2.1	3.0	3.2
PLACER BASIN SNOTEL	8830	2/01/09	51	13.5	11.1	11.7
POORMAN CR SNOTEL	5100	2/01/09	62	20.6	26.6	21.4
PORCUPINE SNOTEL	6500	2/01/09	18	4.3	4.1	4.5
ROCKER PEAK SNOTEL	8000	2/01/09	44	11.5	6.8	9.1
ROCKY BOY SNOTEL	4700	2/01/09	24	5.3	2.1	3.7
SACAJAWEA SNOTEL	6550	2/01/09	27	7.0	9.1	8.9
SADDLE MTN SNOTEL	7900	2/01/09	70	17.1	18.5	17.3
S.F. SHIELDS SNOTEL	8100	2/01/09	41	11.0	8.7	10.7
SHORT CREEK SNOTEL	7000	2/01/09	12	2.6	3.7	3.9
SHOWER FALLS SNOTEL	8100	2/01/09	54	14.9	14.9	14.0
SKALKAHO SNOTEL	7260	2/01/09	57	14.6	16.7	16.0
SLEEPING WOMAN SNTL	6150	2/01/09	39	11.2	13.1	10.6
SPOTTED BEAR MTN.	7000	1/30/09	39	9.7	9.9	10.1
SPUR PARK SNOTEL	8100	2/01/09	58	16.2	13.3	14.6
STAHL PEAK SNOTEL	6030	2/01/09	55	18.4	27.1	24.1
STORM LAKE	7780	1/29/09	38	10.6	7.3	8.3
STRYKER BASIN	6180	1/28/09	57	17.1	24.7	21.3
STUART MOUNTAIN SNTL	7400	2/01/09	74	22.4	21.4	22.8
TAYLOR ROAD	4080	1/29/09	20	4.0	1.7	2.6
TEN MILE LOWER	6600	1/30/09	22	4.8	3.6	4.7
TEN MILE MIDDLE	6800	1/29/09	30	6.6	4.9	7.1
TEPEE CREEK SNOTEL	8000	2/01/09	34	8.4	11.6	8.5
TIZER BASIN SNOTEL	6840	2/01/09	20	6.1	5.5	6.5
TRINKUS LAKE	6100	1/30/09	77	24.1	25.3	26.6
TRUMAN CREEK	4060	1/28/09	19	4.8	5.0	3.5
TV MOUNTAIN	6800	1/30/09	41	11.0	13.0	11.8
TWELVEMILE SNOTEL	5600	2/01/09	53	13.8	15.4	12.8
TWENTY-ONE MILE	7150	1/31/09	38	9.8	12.5	11.1
TWIN LAKES SNOTEL	6400	2/01/09	90	28.2	30.6	27.5
UPPER HOLLAND LAKE	6200	1/30/09	74	22.2	21.1	23.7
WALDRON SNOTEL	5600	2/01/09	25	6.3	6.6	8.0
WARM SPRINGS SNOTEL	7800	2/01/09	63	17.7	12.6	13.8
WEASEL DIVIDE	5450	1/29/09	54	16.3	23.1	21.5
WEST YELL'ST SNOTEL	6700	2/01/09	26	6.3	10.3	8.6
WHISKEY CREEK SNOTEL	6800	2/01/09	37	8.9	12.9	11.1
WHITE MILL SNOTEL	8700	2/01/09	57	16.1	17.8	16.1
WOOD CREEK SNOTEL	5960	2/01/09	25	6.7	5.6	6.3

Montana Water Supply Outlook Report as of February 1, 2009

The first nine days in January saw significant snow water increases with the Columbia River Basin increasing by 29 percent, Missouri River Basin increasing by 20 percent, St. Mary increasing by 17 percent, and Yellowstone River Basin increasing by 18 percent. January snow water gain in the Columbia River Basin was slightly above average, Missouri River Basin was slightly below average, and the Yellowstone was above average. January mountain precipitation west of the Divide was near average and east of the Divide was below average.

Snowpack

The first of February is when we should have about 60 to 65 percent of our seasonal snowpack in place. State-wide, mountain snow water contents were 93 percent of average and 91 percent of last year. West of the Continental Divide, snowpack was 90 percent of average and 89 percent of last year and east of the continental Divide, snowpack was 97 percent of average and 98 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	JANUARY % CHANGE
COLUMBIA	90	89	+9
KOOTENAI, MONTANA	79	73	+12
KOOTENAY, CANADA	78	83	--
FLATHEAD, MONTANA	86	85	+12
FLATHEAD, CANADA	64	61	--
UPPER CLARK FORK	102	115	-2
BITTERROOT	99	90	+12
LOWER CLARK FORK	89	78	+11
MISSOURI	95	94	-1
MISSOURI HEADWATERS	95	89	-6
JEFFERSON	101	101	-8
MADISON	88	77	-6
GALLATIN	94	87	-2
MISSOURI MAINSTEM	100	109	+7
HEADWATERS MAINSTEM	106	121	-12
SMITH-JUDITH-MUSSELSHELL	100	103	-2
SUN-TETON-MARIAS	78	81	+19
MILK	148	186	--
BEARPAW MOUNTAINS	131	244	+26
CYPRESS HILLS, CANADA	162	161	--
ST. MARY	65	67	+7
ST. MARY & MILK	96	106	+28
YELLOWSTONE	101	105	+4
UPPER YELLOWSTONE	101	99	+5
LOWER YELLOWSTONE	100	111	+3
STATE-WIDE	93	91	+5

Precipitation

January mountain and valley precipitation across the state was 98 percent of average and 88 percent of last year, while the water year precipitation was 102 percent of average and 98 percent of last year.

West of the Continental Divide, January mountain and valley precipitation was 106 percent of average and 98 percent of last year and the water year precipitation was 98 percent of average and 94 percent of last year. East of the Divide, January mountain and valley precipitation was 89 percent of average and 79 percent of last year and the water year precipitation was 106 percent of average and 101 percent of last year.

RIVER BASIN	JANUARY % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	106	98
KOOTENAI	96	82
FLATHEAD	105	89
UPPER CLARK FORK	111	118
BITTERROOT	113	112
LOWER CLARK FORK	107	95
MISSOURI	90	107
JEFFERSON	92	111
MADISON	70	96
GALLATIN	78	105
MISSOURI MAINSTEM	90	121
SMITH-JUDITH-MUSSELSHELL	91	114
SUN-TETON-MARIAS	103	87
MILK	180	154
ST. MARY	83	69
YELLOWSTONE	112	109
UPPER YELLOWSTONE	108	104
LOWER YELLOWSTONE	123	115
STATE-WIDE	98	102

Reservoirs

Major reservoir storages state-wide were 90 percent of average and 112 percent of last year. Reservoir storage west of the Continental Divide was 126 percent of average and 101 percent of last year. East of the Continental Divide, reservoir storages were 78 percent of average and 118 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	126	101
KOOTENAI	153	100
FLATHEAD	109	102
UPPER CLARK FORK	117	113
BITTERROOT	127	107
LOWER CLARK FORK	100	102
MISSOURI	77	119
JEFFERSON	83	116
MADISON	105	101
GALLATIN	151	102
MISSOURI MAINSTEM	74	118
SMITH-JUDITH-MUSSELSHELL	88	194
SUN-TETON-MARIAS	108	124
MILK	107	145
ST. MARY	170	226
YELLOWSTONE	113	108
UPPER YELLOWSTONE	110	103
LOWER YELLOWSTONE	114	108
STATE-WIDE	90	112

Streamflow

Assuming near average precipitation, Montana streamflows are forecast to average 81 to 94 percent. West of the Continental Divide streamflows are forecast to average 83 to 93 percent. East of the Continental Divide streamflows are forecast to average 80 to 96 percent.

Below are averaged river basin streamflow forecast summaries for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	83 to 93	82 to 91
KOOTENAI	77 to 84	86 to 94
FLATHEAD	80 to 90	83 to 90
UPPER CLARK FORK	87 to 102	75 to 87
BITTERROOT	90 to 99	86 to 95
LOWER CLARK FORK	85 to 91	87 to 92
MISSOURI	74 to 92	74 to 91
JEFFERSON	81 to 101	74 to 95
MADISON	78 to 87	103 to 111
GALLATIN	86 to 96	96 to 107
MISSOURI MAINSTEM	79 to 92	92 to 105
SMITH-JUDITH-MUSSELSHELL	76 to 100	49 to 69
SUN-TETON-MARIAS	57 to 75	74 to 90
MILK	70 to 95	49 to 74
ST. MARY	69 to 77	90 to 97
YELLOWSTONE	92 to 104	90 to 103
UPPER YELLOWSTONE	88 to 97	89 to 100
LOWER YELLOWSTONE	98 to 114	92 to 107
STATE-WIDE	80 to 94	80 to 93

NOTE: The APRIL-JULY LAST YEAR % OF AVERAGE column above is what was forecast February 1 last year, NOT what actually occurred.

Surface Water Supply Index

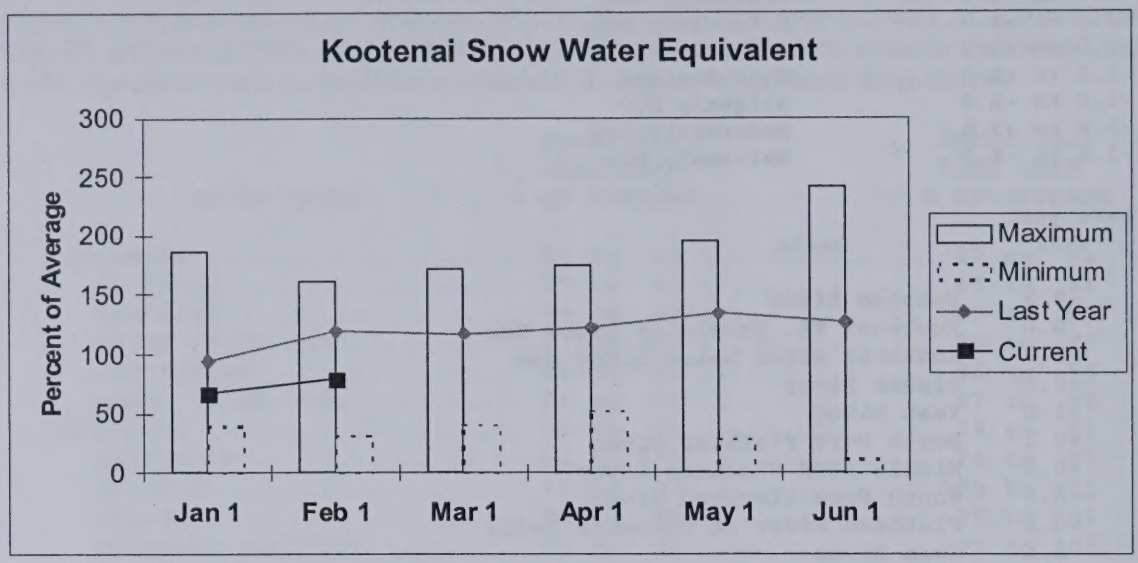
The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This year SWSI	Last year SWSI	Basin
-1.1	-0.3	Tobacco River
-2.1	0.0	Kootenai Ft. Steele to Libby Dam
+0.3	+1.7	Kootenai River below Libby Dam
+1.0	+0.1	Fisher River
-1.0	+1.0	Yaak River
-2.2	+0.1	North Fork Flathead River
-1.5	-0.5	Middle FORK Flathead River
-0.2	-0.3	South Fork Flathead River
-1.3	+0.1	Flathead River at Columbia Falls
-0.5	-1.4	Swan River
-1.0	-0.9	Flathead River at Polson
+1.2	-3.7	Mission Valley
-0.8	-1.5	Little Bitterroot River
+1.1	-0.4	Clark Fork River above Milltown
+0.5	-0.3	Blackfoot River
+0.4	+0.3	Bitterroot River
+0.7	-1.7	Clark Fork River below Bitterroot River
-0.4	0.0	Clark Fork River below Flathead River
-0.2	+0.4	Beaverhead River
-0.5	-0.6	Ruby River
+1.3	+0.6	Big Hole River
+0.9	-1.3	Boulder River (Jefferson)
+1.7	+1.2	Jefferson River
-0.4	+0.8	Madison River
+0.9	+1.2	Gallatin River
+0.2	+0.4	Missouri River above Canyon Ferry
+0.3	-0.2	Missouri River below Canyon Ferry
+0.5	+0.5	Smith River
-0.4	-0.4	Sun River
+0.3	+0.4	Teton River
-1.3	-3.5	Birch/Dupuyer Creeks
+1.1	-1.8	Upper Judith River
-1.4	-0.3	Marias River above Tiber
-1.2	-1.4	Marias River below Tiber
+1.1	-0.6	Musselshell River
+0.6	-1.1	Missouri River above Ft. Peck
-2.4	-3.4	Missouri River below Ft. Peck
-2.4	+1.5	St. Mary River
+0.5	-0.4	Milk River
-1.0	+0.2	Dearborn River near Craig
+0.8	+1.7	Yellowstone River above Livingston
+0.2	-0.1	Shields River
+2.2	+0.5	Boulder River (Yellowstone)
+0.3	+0.5	Stillwater River
+0.1	-3.1	Rock/Red Lodge Creeks
+0.6	+2.0	Clarks Fork River
+0.8	+1.4	Yellowstone River above Bighorn River
+0.9	-0.1	Bighorn River below Bighorn Lake
+1.8	-0.3	Little Bighorn River
+0.9	+0.7	Yellowstone River below Bighorn River
+3.1	+0.2	Tongue River
+2.4	+1.8	Powder River

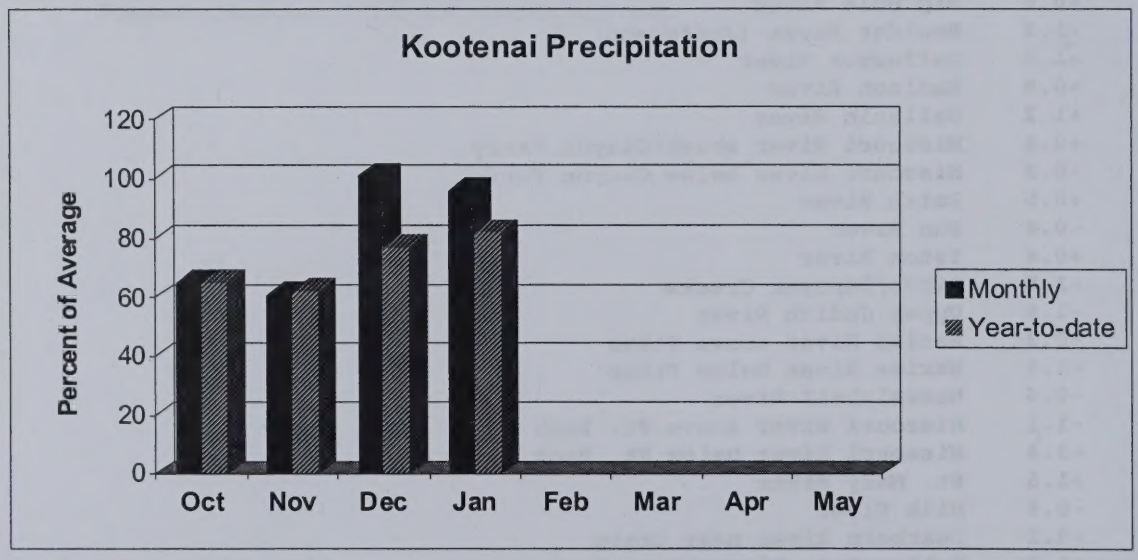
Kootenai River Basin in Montana

January snow water gain was slightly above average. Snowpack conditions in the Kootenai River Basin in Montana were below average and increased 12 percent from January 1. Snow water content was 79 percent of average and 73 percent of last year. Snow water content in the Kootenay in Canada was 78 percent of average and 83 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during January was 95 percent of average and 85 percent of last year. Valley precipitation during January was 104 percent of average and 88 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 82 percent of average and 73 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 77 percent to 84 percent.

Lake Koocanusa storage was 153 percent of average and 100 percent of last year.

Surface Water Supply Index (SWSI) was -1.1 in the Tobacco River; -2.1 in the Kootenai Ft. Steele to Libby Dam; +0.3 in the Kootenai River below Libby Dam; +1.0 in the Fisher River; and -1.0 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BACCO RIVER nr Eureka	APR-JUL	75	95	109	80	123	143	136
	APR-SEP	83	105	120	80	135	157	150
BBY RES Inflow (1,2)	APR-JUL	3790	4440	4740	84	5040	5690	5640
	APR-SEP	4530	5250	5580	84	5910	6630	6640
SHER RIVER nr Libby	APR-JUL	154	199	230	100	260	305	230
	APR-SEP	167	215	245	100	275	325	245
AK RIVER nr Troy	APR-JUL	270	315	350	75	385	430	465
	APR-SEP	290	335	370	76	405	450	490
OTENAI at Leonia (1,2)	APR-JUL	4870	5540	5850	83	6160	6830	7040
	APR-SEP	5640	6400	6750	83	7100	7860	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of January

eservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
KE KOOCANUSA	5748.0	3667.0	3649.0	2400.9

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	19	83	78
KOOTENAI MAINTSTEM	3	73	79
TOBACCO	3	70	76
FISHER	1	111	115
YAAK	2	69	75
KOOTENAI in MONTANA	9	73	79
KOOTENAI ab BONNERS FERRY	28	78	78

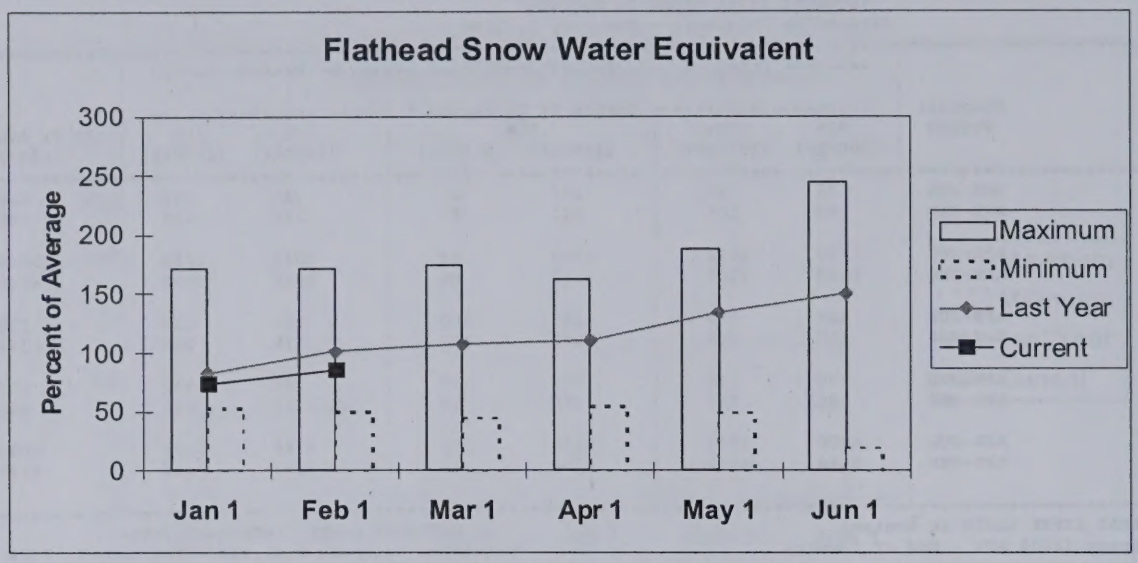
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the able.

he average is computed for the 1971-2000 base period.

L) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
!) - The value is natural volume - actual volume may be affected by upstream water management.
M) - Median value used in place of average.

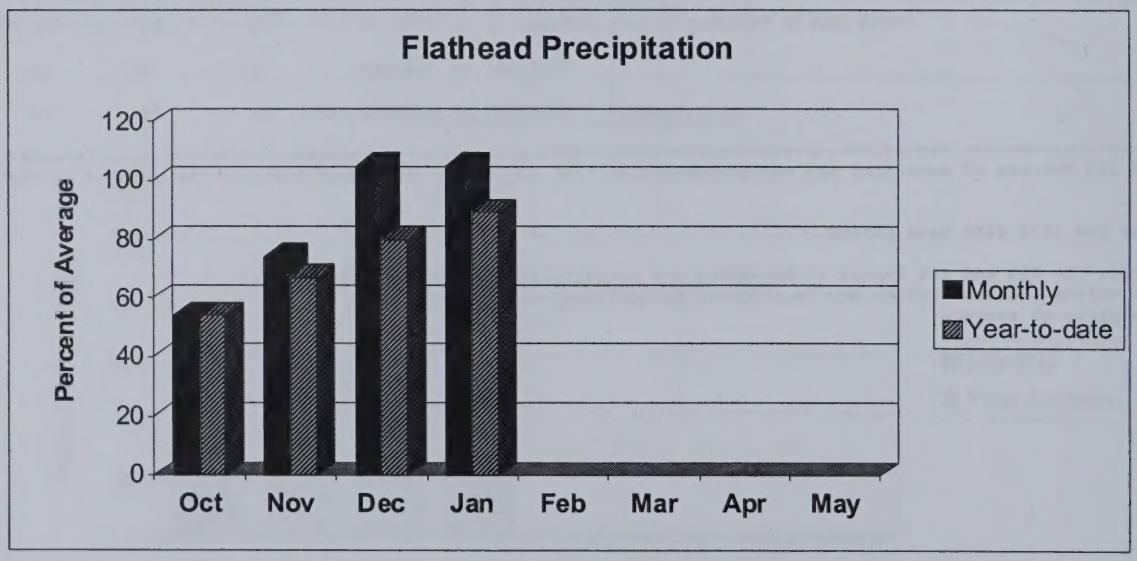
Flathead River Basin

January snow water gain was slightly above average. Snowpack conditions in the Flathead River Basin in Montana were below average and increased 12 percent from January 1. Snow water content was 86 percent of average and 85 percent of last year. Flathead snow water content in Canada was 64 percent of average and 61 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during January was 105 percent of average and 90 percent of last year. Valley precipitation during January was 117 percent of average and 89 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 105 percent of average and 89 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 80 percent to 90 percent.

Combined Camas reservoir storage was 44 percent of average and 145 percent of last year; Lower Jocko Lake was empty; combined Mission Valley reservoir storage was 102 percent of average and 240 percent of last year; Hungry Horse storage was 116 percent of average and 100 percent of last year; and Flathead Lake storage was 97 percent of average and 103 percent of last year.

Surface Water Supply Index (SWSI) was -2.2 in the North Fork Flathead River; -1.5 in the Middle Fork Flathead River; -0.2 in the South Fork Flathead River; -1.3 in the Flathead River at Columbia Falls; -0.5 in the Swan River; -1.0 in the Flathead River at Polson; +1.2 in the Mission Valley; and -0.8 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
FLATHEAD nr Columbia Falls	APR-JUL	1090	1250	1350	83	1450	1610	1620
	APR-SEP	1240	1390	1500	83	1610	1760	1800
FLATHEAD nr West Glacier	APR-JUL	1100	1250	1360	86	1470	1620	1590
	APR-SEP	1220	1380	1490	86	1600	1760	1740
NGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1530	1770	1880	94	1990	2230	2000
	APR-SEP	1640	1890	2000	94	2110	2360	2120
ATHEAD at Columbia Falls (2)	APR-JUL	4020	4420	4690	88	4960	5360	5350
	APR-SEP	4420	4830	5110	88	5390	5800	5820
HLEY CREEK nr Marion (2)	APR-JUL	1.5	4.7	6.8	94	8.9	12.1	7.2
	MARCH	0.1	0.7	1.1	108	1.6	2.2	1.1
AN RIVER nr Bigfork	APR-JUL	415	480	520	92	560	625	565
	APR-SEP	485	550	595	92	640	705	645
ATHEAD LAKE Inflow (1,2)	APR-JUL	5080	5400	5540	90	5680	6000	6180
	APR-SEP	5510	5850	6000	90	6150	6490	6700
LL CREEK nr Niarada	APR-JUL	1.9	2.8	3.5	85	4.2	5.1	4.1
	APR-SEP	2.2	3.1	3.8	85	4.5	5.4	4.5
UTH CROW CREEK nr Ronan	APR-JUL	7.0	8.2	9.1	90	10.0	11.2	10.1
	APR-SEP	8.1	9.5	10.4	90	11.3	12.7	11.5
SSION CREEK nr St Ignatius	APR-JUL	19.8	22	24	95	26	28	25
	APR-SEP	24	27	29	96	31	34	30
UTH FORK JOCKO RV nr Arlee	APR-JUL	15.3	23	28	93	33	41	30
	APR-SEP	18.9	27	32	94	37	45	34
JOCKO RV blw Tabor Feeder Canal	APR-JUL	23	27	29	92	31	35	31
	APR-SEP	27	30	32	94	34	37	34

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MAS (4)	45.2	9.0	6.2	20.3
WER JOCKO LAKE	6.4	0.0	0.0	0.1
SSION VALLEY (8)	100.0	35.3	14.7	34.7
NGRY HORSE	3451.0	2563.0	2552.0	2214.7
ATHEAD LAKE	1791.0	941.2	914.7	971.2

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	4	61	64
NF FLATHEAD in MONTANA	7	70	75
MIDDLE FORK FLATHEAD	5	74	76
SOUTH FORK FLATHEAD	6	99	93
STILLWATER-WHITEFISH	7	75	90
SWAN	6	103	89
MISSION VALLEY	3	96	85
LITTLE BITTERROOT-ASHLEY	4	93	106
JOCKO	4	102	95
FLATHEAD in MONTANA	30	85	86
FLATHEAD RIVER BASIN	34	83	84

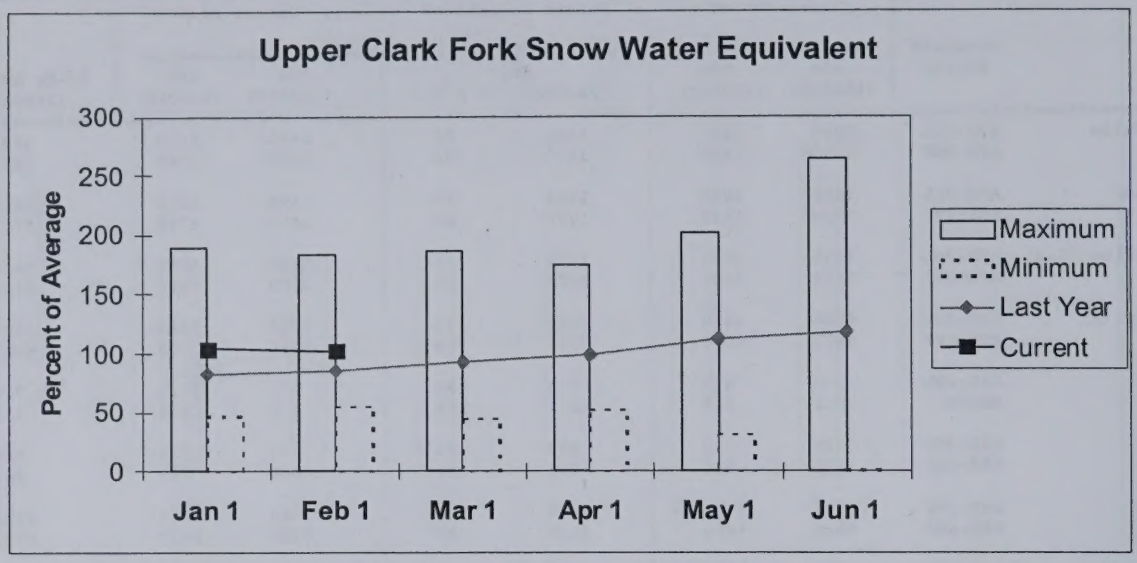
90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

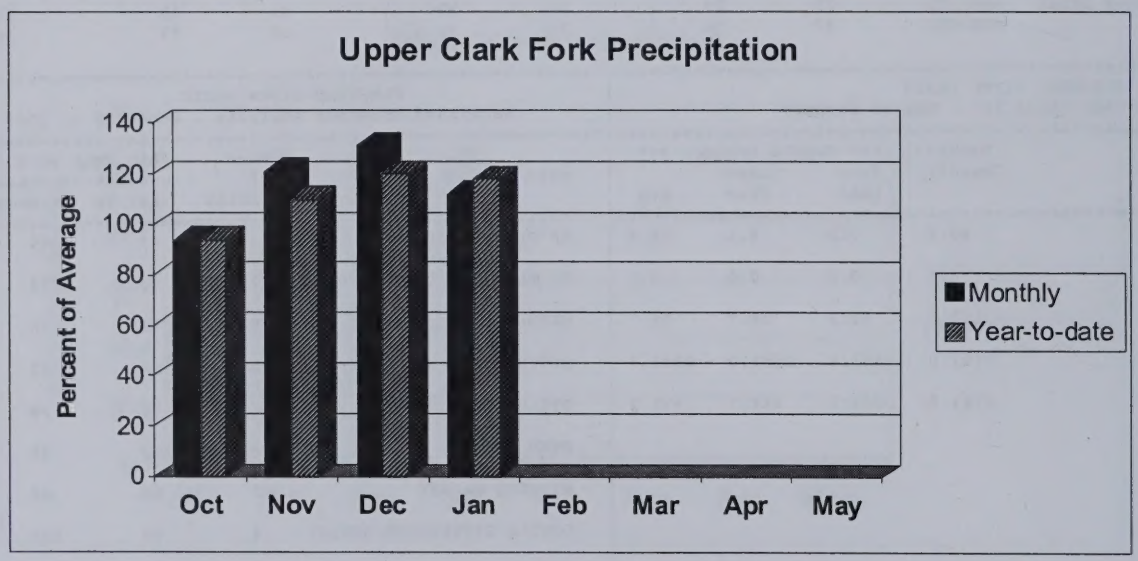
Upper Clark Fork River Basin

January snow water gain was near average. Snowpack conditions in the Upper Clark Fork River Basin were near average and decreased 2 percent from January 1. Snow water content was 102 percent of average and 115 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during January was 106 percent of average and 119 percent of last year. Valley precipitation during January was 158 percent of average and 213 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 118 percent of average and 125 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 87 percent to 102 percent.

East Fork Rock Creek storage was 122 percent of average and 116 percent of last year; Georgetown Lake storage was 106 percent of average and 102 percent of last year; Lower Willow Creek storage was not available; and Nevada Creek storage was 174 percent of average and 174 percent of last year.

Surface Water Supply Index (SWSI) was +1.1 in the Clark Fork River above Milltown; and +0.5 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TTLE BLACKFOOT nr Garrison	APR-JUL	42	65	80	105	95	118	76
	APR-SEP	48	72	88	105	104	128	84
INT CREEK nr Southern Cross	APR-JUL	9.0	12.6	15.1	110	17.6	21	13.7
	APR-SEP	9.0	14.2	17.8	110	21	27	16.2
INT CREEK blw Boulder Ck	APR-JUL	36	50	59	105	68	82	56
	APR-SEP	47	64	75	106	86	103	71
WER WILLOW CK RES Inflow	APR-MAY	4.8	7.2	8.9	109	10.6	13.0	8.2
	APR-JUL	6.7	10.8	13.5	108	16.2	20	12.5
ROCK CREEK nr Philipsburg	APR-JUL	44	54	61	95	68	78	64
	APR-SEP	50	61	68	94	75	86	72
CK CREEK nr Clinton	APR-JUL	176	230	265	98	300	355	270
	APR-SEP	200	260	300	98	340	400	305
ARK FORK abv Milltown	APR-JUL	440	535	600	99	665	760	605
	APR-SEP	515	625	700	99	775	885	705
VADA CREEK nr Helmville	APR-MAY	5.4	8.1	10.0	97	11.9	14.6	10.3
	APR-JUL	9.9	14.1	17.0	98	19.9	24	17.3
ACKFOOT RIVER nr Bonner	APR-JUL	580	710	800	99	890	1020	805
	APR-SEP	660	795	890	100	985	1120	890
ARK FORK abv Missoula	APR-JUL	1160	1300	1400	99	1500	1640	1410
	APR-SEP	1330	1480	1590	99	1700	1850	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of January

eservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ST FORK ROCK CREEK	15.6	11.1	9.6	9.1
ORGETOWN LAKE	31.0	29.1	28.6	27.4
WER WILLOW CREEK		NO REPORT		
VADA CREEK	12.6	8.0	4.6	4.6

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	10	136	112
FLINT CREEK	6	123	107
ROCK CREEK	3	111	106
CLARK FORK ab BLACKFOOT	16	123	107
BLACKFOOT	13	109	97
UPPER CLARK FORK BASIN	27	115	102

90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

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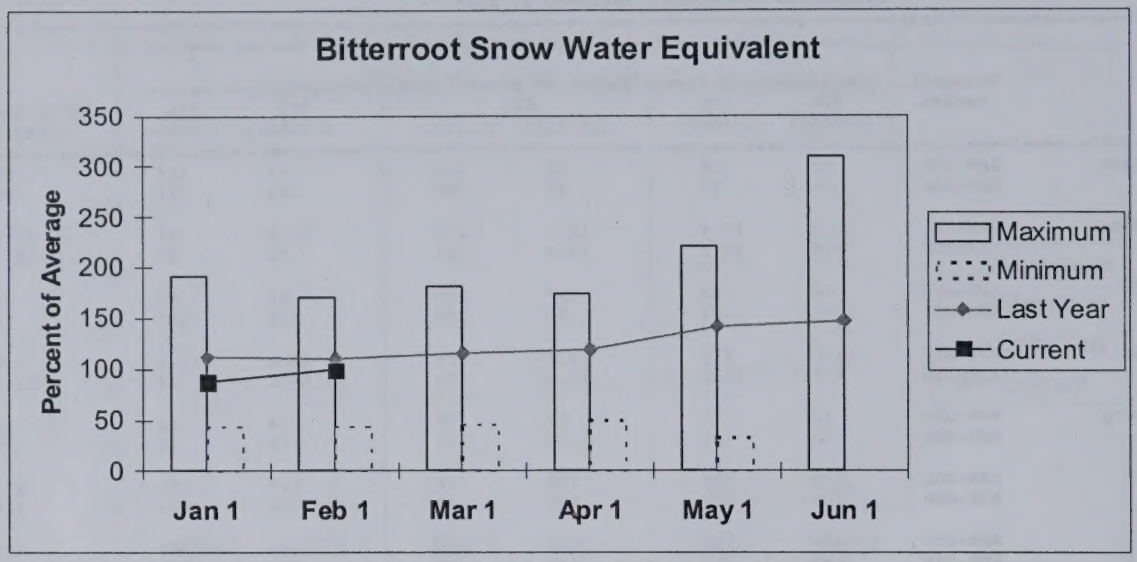
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

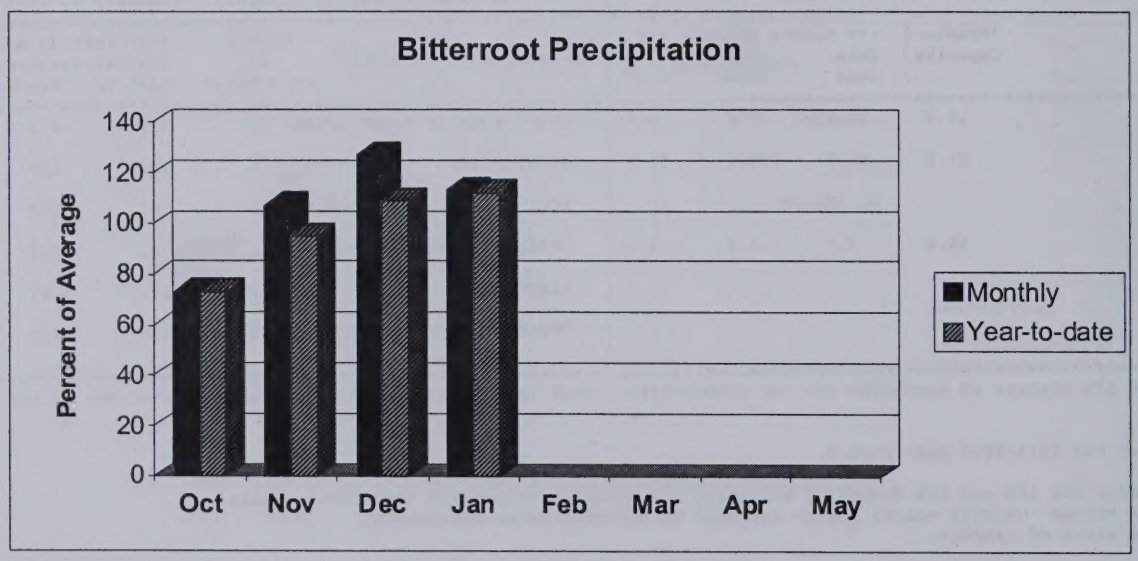
Bitterroot River Basin

January snow water gain was above average. Snowpack conditions in the Bitterroot River Basin were near average and increased 12 percent from January 1. Snow water content was 99 percent of average and 90 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987,1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during January was 114 percent of average and 110 percent of last year. Valley precipitation during January was 107 percent of average and 208 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 112 percent of average and 99 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 90 percent to 99 percent.

Painted Rocks Lake storage was 130 percent of average and 100 percent of last year and Como storage was 125 percent of average and 112 percent of last year.

Surface Water Supply Index (SWSI) was +0.4 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BITTERROOT nr Conner (2)	APR-JUL	115	140	157	110	174	199	143
	APR-SEP	126	154	173	110	192	220	157
TTERROOT nr Darby	APR-JUL	310	385	435	95	485	560	460
	APR-SEP	360	435	485	94	535	610	515
MO RESERVOIR Inflow	APR-JUL	62	69	74	95	79	86	78
	APR-SEP	66	73	78	95	83	90	82
TTERROOT at Missoula	APR-JUL	1000	1100	1170	94	1240	1340	1250
	APR-SEP	975	1160	1280	93	1400	1590	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
INTED ROCKS LAKE	31.7	9.1	9.1	7.0
MO	34.9	13.2	11.8	10.6

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	2	98	103
EAST SIDE BITTERROOT	3	89	95
WEST SIDE BITTERROOT	3	88	99
BITTERROOT RIVER BASIN	7	90	99

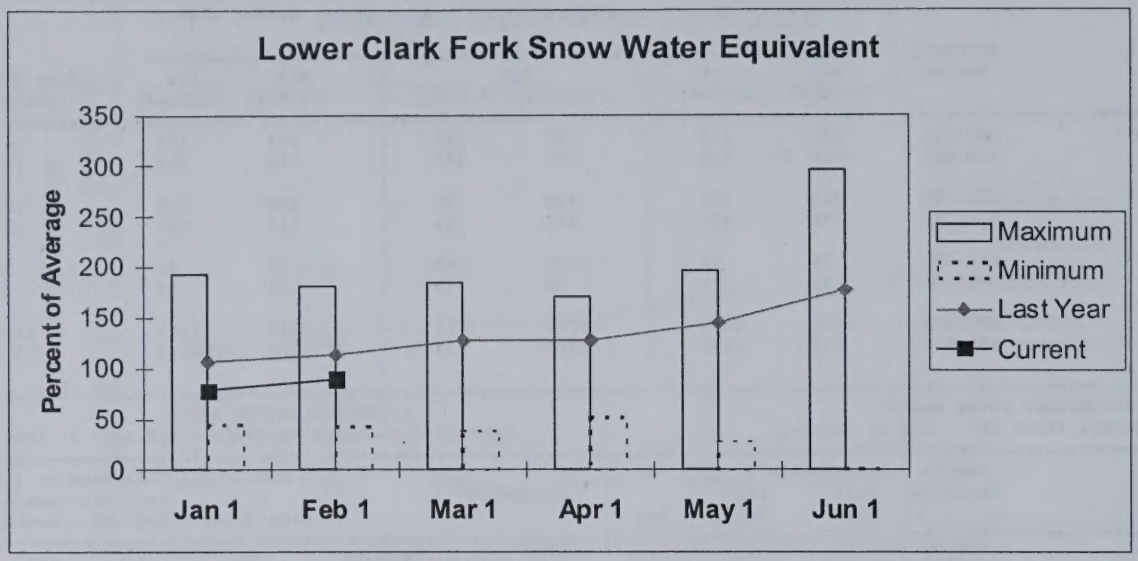
90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

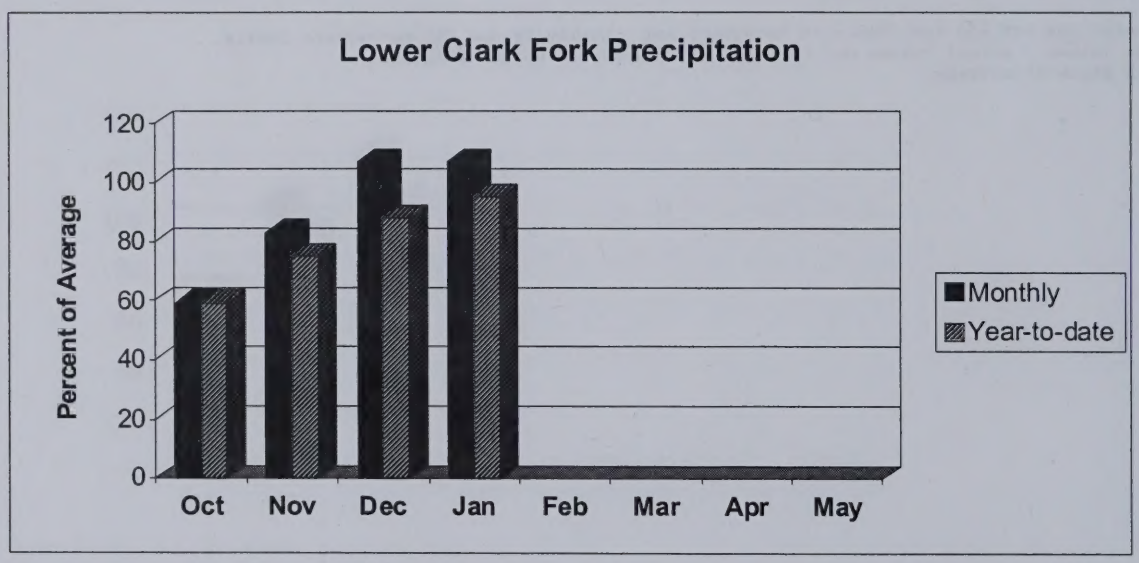
Lower Clark Fork River Basin

January snow gain was above average. Snowpack conditions in the Lower Clark Fork River Basin were below average and increased 11 percent from January 1. Snow water content was 89 percent of average and 78 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during January was 106 percent of average and 96 percent of last year. Valley precipitation during January was 119 percent of average and 124 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 116 percent of average and 103 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 95 percent to 83 percent.

Noxon Rapids storage was 100 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was +0.7 in the Clark Fork River below Bitterroot River and -0.4 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LARK FORK blw Missoula	APR-JUL	2400	2510	2590	97	2670	2780	2660
	APR-SEP	2680	2800	2880	97	2960	3080	2960
LARK FORK at St. Regis (1)	APR-JUL	3140	3290	3360	96	3430	3580	3520
	APR-SEP	3510	3670	3740	96	3810	3970	3910
LARK FORK nr Plains (1,2)	APR-JUL	8840	9090	9200	91	9310	9560	10100
	APR-SEP	9700	9970	10100	91	10200	10500	11100
HOMPSON nr Thompson Falls	APR-JUL	103	145	174	85	205	245	205
	APR-SEP	122	166	196	85	225	270	230
ROSPECT CREEK at Thompson Falls	APR-JUL	68	86	99	85	112	130	116
	APR-SEP	73	92	105	85	118	137	124
LARK FK at Whitehorse Rpds (1,2)	APR-JUL	9340	9790	10000	89	10200	10700	11300
	APR-SEP	10200	10800	11000	88	11200	11800	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of January

eservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
OXON RAPIDS	335.0	311.2	306.2	310.9

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	8	78	89

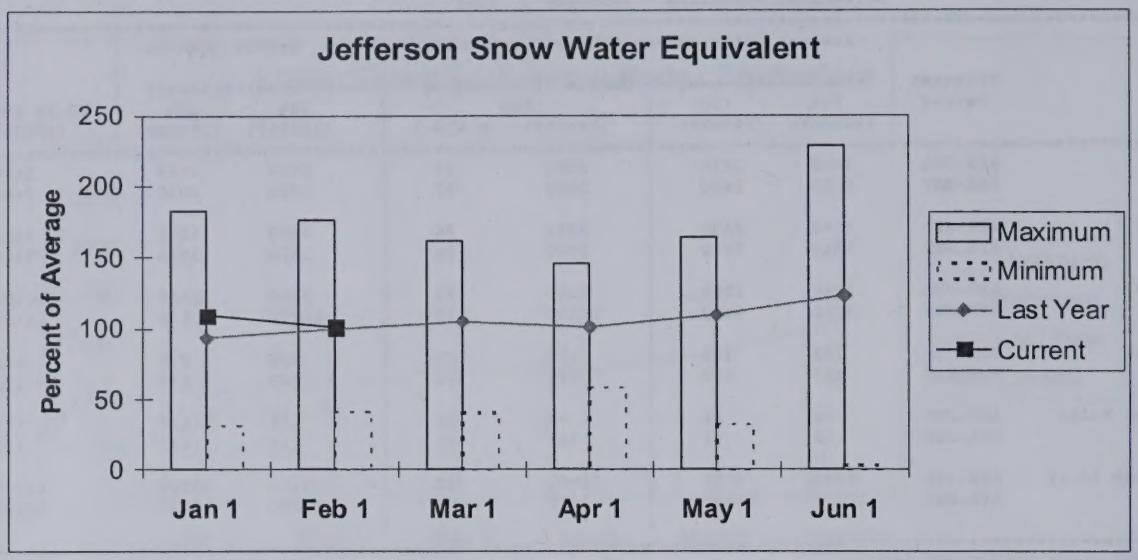
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the able.

he average is computed for the 1971-2000 base period.

1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
2) - The value is natural volume - actual volume may be affected by upstream water management.
3) - Median value used in place of average.

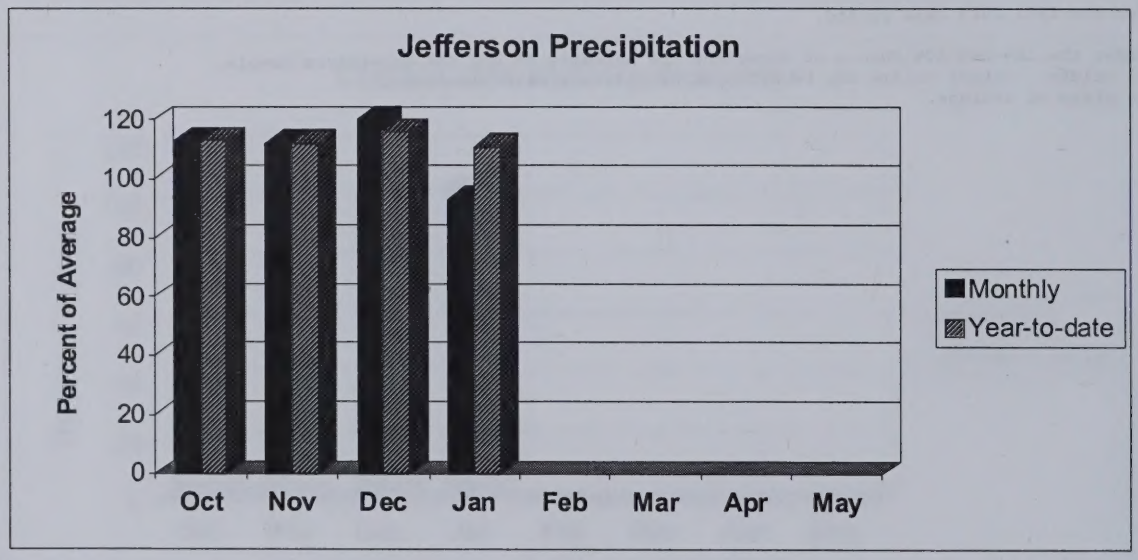
Jefferson River Basin

January snow water gain was at average. Snowpack conditions in the Jefferson River Basin were near average and decreased 8 percent from January 1. Snow water content was 101 percent of average and 101 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during January was 92 percent of average and 75 percent of last year. Valley precipitation during January was 76 percent of average and 127 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 111 percent of average and 98 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 81 percent to 101 percent.

Lima storage was 100 percent of average and 173 percent of last year; Clark Canyon storage was 75 percent of average and 106 percent of last year; and Ruby River storage was 105 percent of average and 110 percent of last year.

Surface Water Supply Index (SWSI) was -0.2 in the Beaverhead River; -0.5 in the Ruby River; +1.3 in the Big Hole River; +0.9 in the Boulder River; and +1.7 for the Jefferson River.

JEFFERSON RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MA RESERVOIR Inflow (2)	APR-JUL	53	73	86	90	99	119	96
	APR-SEP	55	77	93	89	109	131	104
ARK CANYON Inflow (2)	APR-JUL	28	80	115	88	150	200	131
	APR-SEP	41	98	136	87	174	230	156
AVERHEAD RIVER at Barretts (2)	APR-JUL	28	101	151	90	200	275	168
	APR-SEP	34	120	178	89	235	320	200
BY RIVER Reservoir Inflow	APR-JUL	47	62	73	87	84	99	84
	APR-SEP	57	75	87	86	99	117	101
G HOLE RIVER at Wisdom	APR-JUL	61	102	129	107	156	197	121
	APR-SEP	64	107	137	105	167	210	130
G HOLE RIVER nr Melrose	APR-JUL	525	645	725	119	805	925	610
	APR-SEP	555	685	775	117	865	995	660
FFERSON nr Twin Bridges (2)	APR-JUL	520	715	850	108	985	1180	785
	APR-SEP	575	800	950	108	1100	1320	880
ULDER RIVER nr Boulder	APR-JUL	54	70	81	104	92	108	78
	APR-SEP	58	75	87	102	99	116	85
LLOW CREEK Reservoir Inflow	APR-JUL	8.8	15.2	19.6	110	24	30	17.9
	APR-SEP	10.3	17.2	22	110	27	34	20
FFERSON RIVER nr Three Forks (2)	APR-JUL	490	715	865	111	1020	1240	780
	APR-SEP	535	785	955	111	1130	1380	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MA	84.0	34.0	19.6	34.0
ARK CANYON	255.6	105.6	99.8	141.1
BY RIVER	38.8	24.8	22.6	23.7

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	8	90	103
RUBY	5	96	92
BIGHOLE	10	107	111
BOULDER	8	115	94
JEFFERSON RIVER BASIN	26	101	101

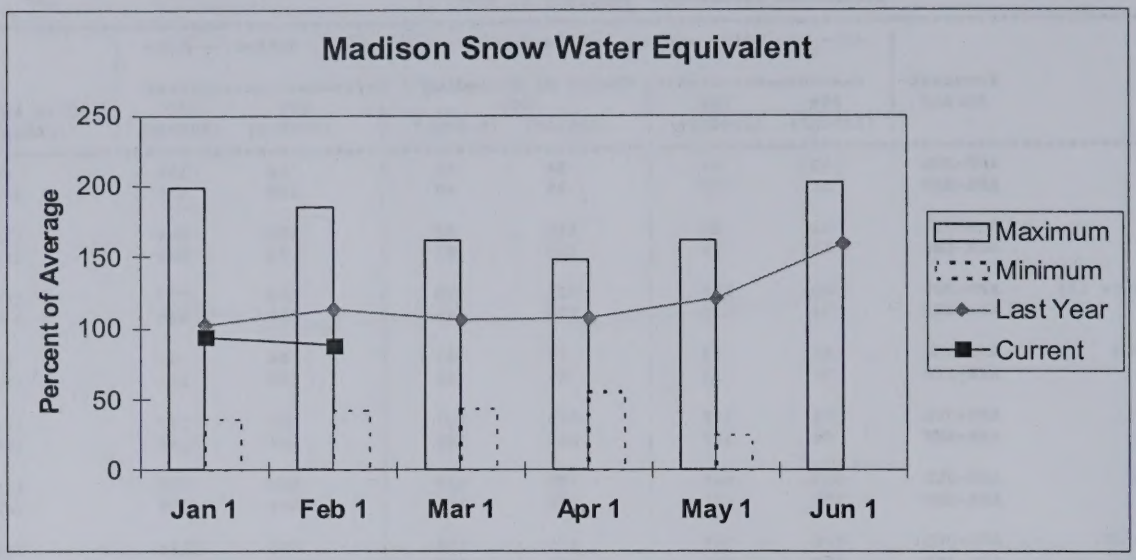
90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

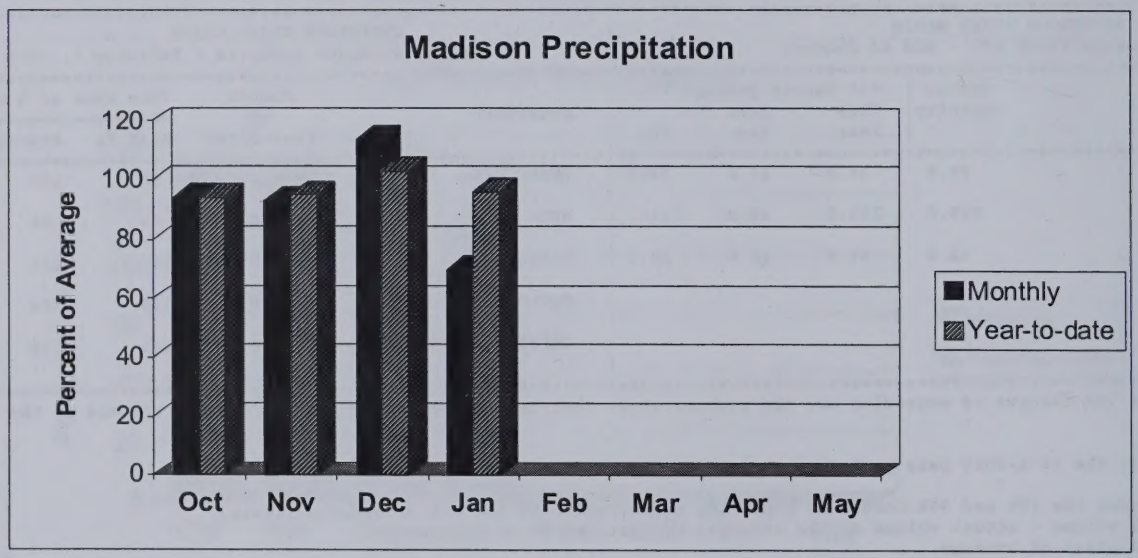
Madison River Basin

January snow water gain was below average. Snowpack conditions in the Madison River Basin were below average and decreased 6 percent from January 1. Snow water content was 88 percent of average and 77 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January was 70 percent of average and 48 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 96 percent of average and 77 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 78 percent to 87 percent.

Ennis Lake storage was 88 percent of average and 100 percent of last year and Hebgen Lake storage was 107 percent of average and 101 percent of last year.

Surface Water Supply Index (SWSI) was -0.4 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BGEN Reservoir Inflow	APR-JUL	270	310	340	87	370	410	390
	APR-SEP	350	400	435	87	470	520	500
NIS Reservoir Inflow (2)	APR-JUL	435	525	585	86	645	735	680
	APR-SEP	555	660	730	86	800	905	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NIS LAKE	41.0	27.4	27.4	31.3
BGEN LAKE	377.5	285.8	281.6	266.5

MADISON RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	65	78
MADISON blw HEBGEN LAKE	8	89	96
MADISON RIVER BASIN	14	77	88

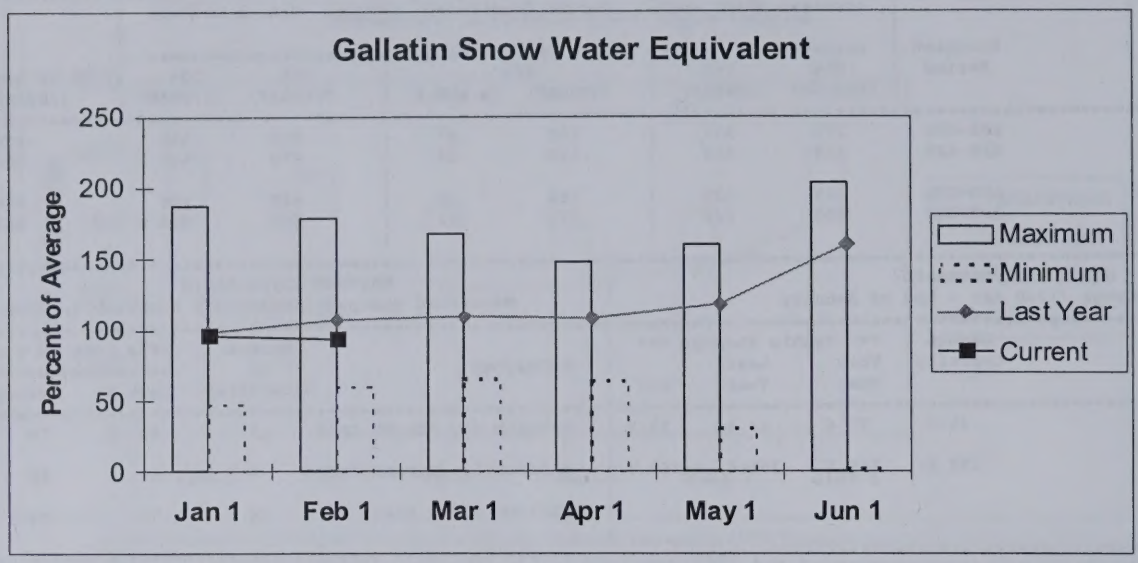
90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

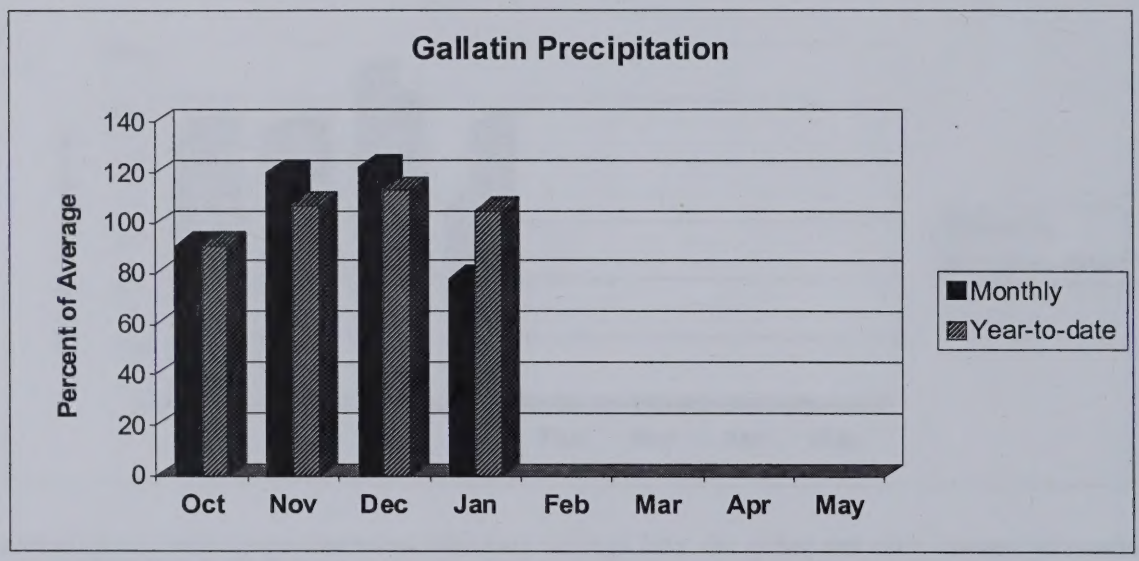
Gallatin River Basin

January snow water gain was below average. Snowpack conditions in the Gallatin River Basin were slightly below average and decreased 2 percent from January 1. Snow water content was 94 percent of average and 87 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977, 1987, and 2005 ; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during January was 78 percent of average and 71 percent of last year. Valley precipitation during January was 67 percent of average and 125 percent of last year; Mountain and valley water year precipitation, beginning October 1, 2008, was 105 percent of average and 91 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 86 percent to 96 percent.

Middle Creek storage was 151 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was +0.9 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LLATIN RIVER nr Gateway	APR-JUL	335	390	430	98	470	525	440
	APR-SEP	390	455	500	97	545	610	515
ALITE RESERVOIR Inflow	APR-JUL	16.2	18.5	20	91	22	24	22
	APR-SEP	19.1	21	23	92	25	27	25
LLATIN RIVER at Logan (2)	APR-JUL	315	415	485	98	555	655	495
	APR-SEP	365	480	555	97	630	745	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
DDLE CREEK	10.2	6.5	6.4	4.3

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	4	83	97
HYALITE	2	99	95
BRIDGER	2	87	84
GALLATIN RIVER BASIN	8	87	94

90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the able.

e average is computed for the 1971-2000 base period.

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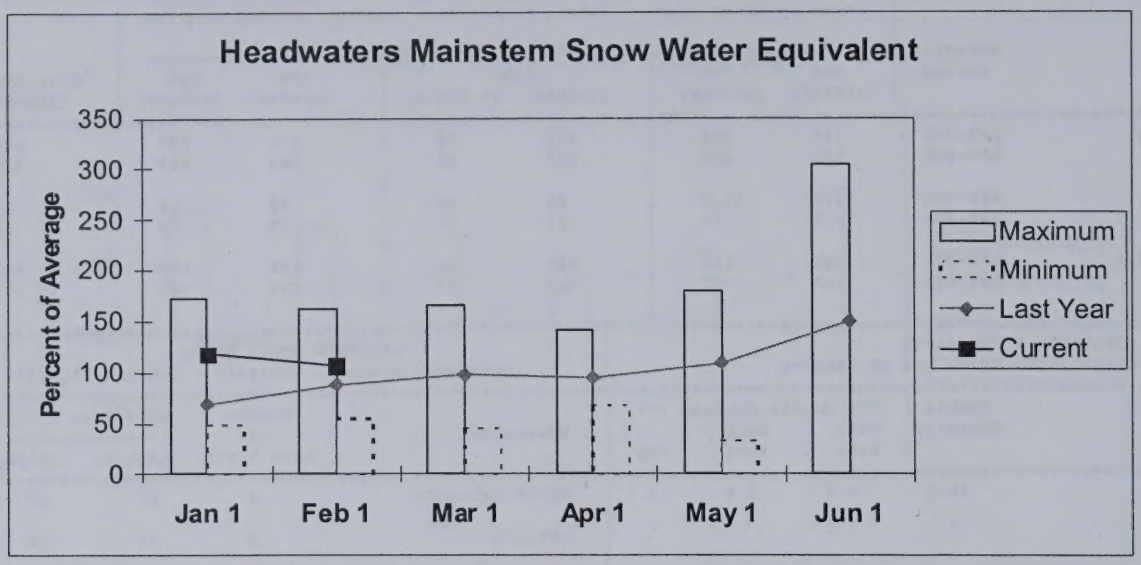
) - Median value used in place of average.

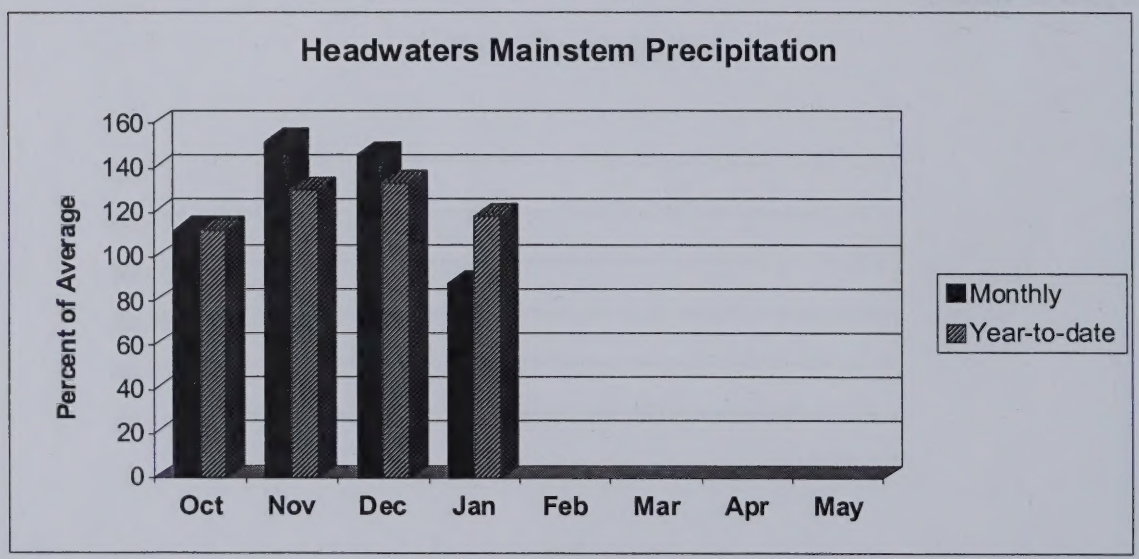
Missouri Mainstem River Basin

January snow water gain was at average. Snowpack conditions in the Headwaters Missouri Mainstem River Basin were slightly above average and decreased 12 percent from January 1. Snow water content was 106 percent of average and 121 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961,1966, and 2005; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during January was 93 percent of average and 66 percent of last year. Valley precipitation during January was 85 percent of average and 128 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 121 percent of average and 137 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 79 percent to 92 percent.

Canyon Ferry Lake storage was 101 percent of average and 114 percent of last year; Helena Valley storage was 114 percent of average and 98 percent of last year; Lake Helena storage was 84 percent of average and the 102 percent of last year; Hauser & Helena storage was 117 percent of average and 101 percent of last year; Holter Lake storage was 101 percent of average and 100 percent of last year; and Fort Peck Lake storage was 71 percent of average and 120 percent of last year.

Surface Water Supply Index (SWSI) was +0.2 in the Missouri River above Canyon Ferry; +0.3 in the Missouri River below Canyon Ferry; -1.0 in the Dearborn River near Craig; +0.6 in the Missouri River above Fort Peck; and -2.4 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
ISSOURI RIVER at Toston (2)	APR-JUL	1330	1710	1970	96	2230	2610	2050
	APR-SEP	1510	1980	2290	96	2600	3070	2390
ARBORN nr Craig	APR-JUL	39	66	84	69	102	129	121
	APR-SEP	42	71	90	72	109	138	125
ISSOURI RIVER at Fort Benton (2)	APR-JUL	1920	2500	2900	97	3300	3880	2990
	APR-SEP	2290	3010	3480	98	3950	4660	3570
ISSOURI RIVER at Virgelle (2)	APR-JUL	2250	2920	3380	98	3840	4510	3450
	APR-SEP	2530	3440	3980	98	4520	5430	4060
ISSOURI RIVER nr Landusky (2)	APR-JUL	2260	2980	3470	94	3960	4680	3690
	APR-SEP	2630	3500	4080	94	4660	5530	4350
ISSOURI RIVER below Fort Peck (2)	APR-JUL	2370	3090	3590	96	4090	4810	3740
	APR-SEP	2610	3580	4150	96	4720	5690	4330
AKE SAKAKAWEA Inflow (2)	APR-JUL	6360	8260	9550	98	10800	12700	9740
	APR-SEP	8300	9520	11000	98	12500	13700	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of January

eservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ANYON FERRY LAKE	2043.0	1596.0	1405.0	1576.1
ELENA VALLEY	9.2	5.0	5.1	4.4
AKE HELENA	12.7	10.9	10.7	13.0
AUSER & HELENA	74.6	73.8	73.3	63.2
OLTER LAKE	81.9	80.4	80.8	79.4
ORT PECK LAKE	18910.0	10560.0	8832.0	14887.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	8	121	106
SMITH-JUDITH-MUSSELSHELL	10	103	100
SUN-TETON-MARIAS	7	81	78
MAINSTEM ab FT PECK RES	24	99	92
MILK RIVER BASIN	9	186	148
MISSOURI MAINSTEM BASIN	32	109	100

90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the able.

ie average is computed for the 1971-2000 base period.

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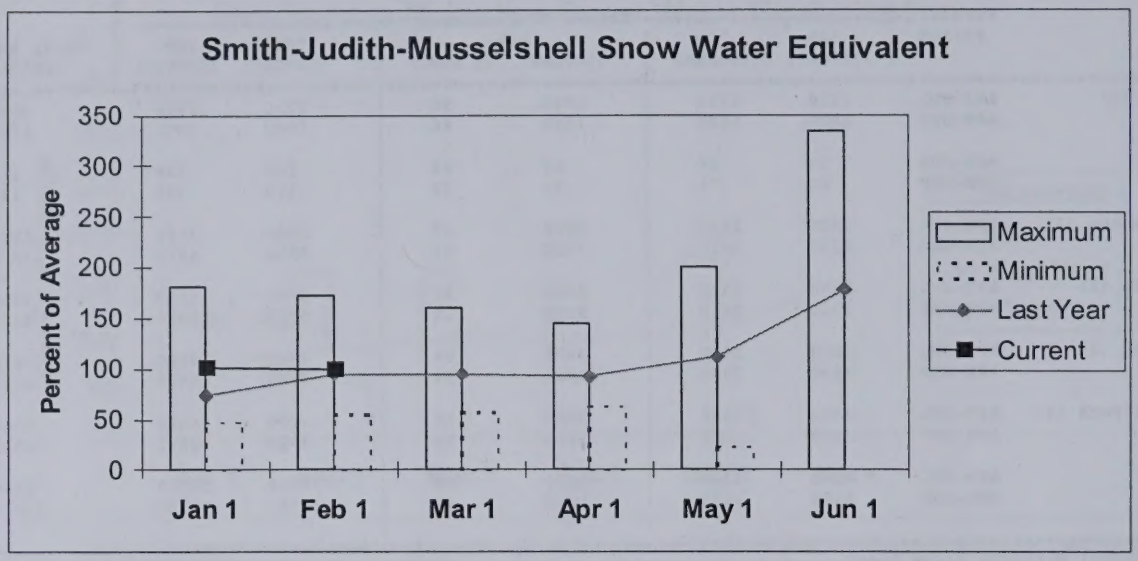
) - Median value used in place of average.

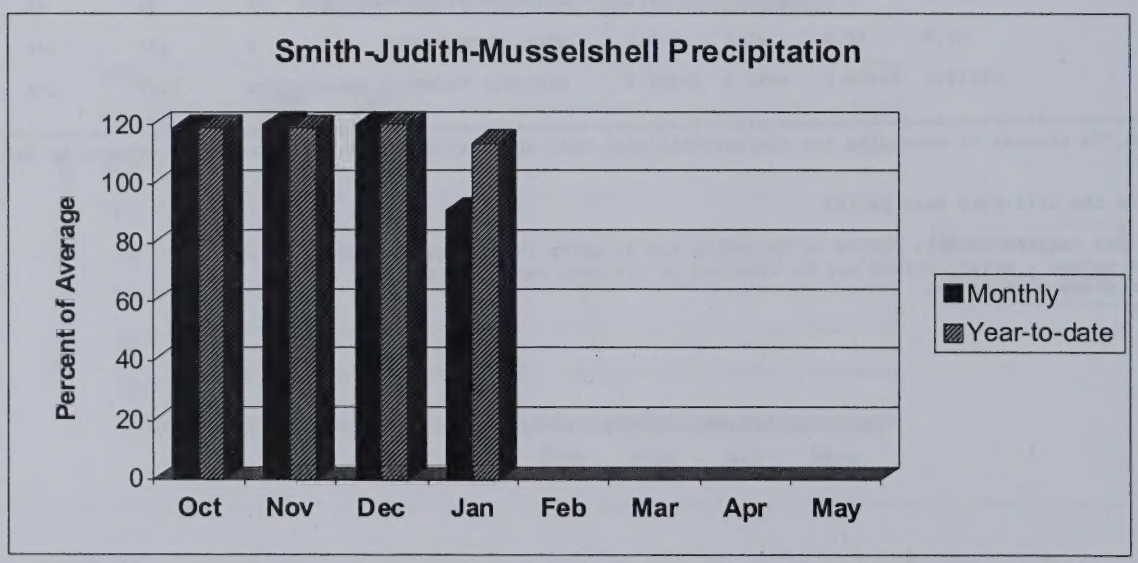
Smith-Judith-Musselshell River Basins

January snow water gain was below average. Snowpack conditions in the Smith-Judith-Musselshell River Basins were at average and decreased 2 percent from January 1. Snow water content in the Smith River Basin was 101 percent of average and 105 percent of last year; the Judith River Basin was 101 percent of average and 113 percent of last year; and the Musselshell Basin River was 99 percent of average and 109 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987, and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January in the Smith-Belts was 91 percent of average and 66 percent of last year; in the Judith was 88 percent of average and 79 percent of last year; and in the Musselshell was 101 percent of average and 127 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 114 percent of average and 116 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 76 percent to 100 percent.

Smith River storage was 135 percent of average and 181 percent of last year; Bair storage was 64 percent of average and 144 percent of average; Ackley storage was 47 percent of average and 68 percent of last year; Martinsdale storage was 65 percent of average; and Deadman's Basin 91 percent of average and 184 percent of last year.

Surface Water Supply Index (SWSI) was +0.5 in the Smith River; +1.1 in the Upper Judith River, and +1.1 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
IEEP CREEK nr White Sulphur Spgs.	APR-JUL	12.6	15.8	18.0	105	20	23	17.1
	APR-SEP	14.8	18.5	21	105	24	27	20
ITH RIVER blw Eagle Creek	APR-JUL	76	108	129	97	150	182	133
	APR-SEP	85	121	146	98	171	205	149
MUSSELSHELL nr Delpine	APR-JUL	2.6	3.9	4.7	102	5.5	6.8	4.6
	APR-SEP	3.1	4.5	5.5	102	6.5	7.9	5.4
MUSSELSHELL abv Martinsdale	APR-JUL	22	41	54	104	67	86	52
	APR-SEP	24	44	58	104	72	92	56
JSSELSHELL at Harlowton (2)	APR-JUL	20	53	75	97	97	130	77
	APR-SEP	21	55	79	98	103	137	81
JSSELSHELL nr Roundup (2)	APR-JUL	38	49	95	96	141	210	99
	APR-SEP	39	53	98	96	143	210	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of January

eservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ITH RIVER	10.6	8.5	4.7	6.3
CKLEY LAKE	7.0	1.5	2.2	3.2
AIR	7.0	2.3	1.6	3.6
ARTINSDALE	23.1	6.6	0.0	10.1
EADMAN'S BASIN	72.2	42.4	23.1	46.8

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	6	105	101
HIGHWOOD	0	74	0
JUDITH	4	113	101
MUSSELSHELL	3	110	100
SMITH-JUDITH-MUSSELSHELL	10	103	100

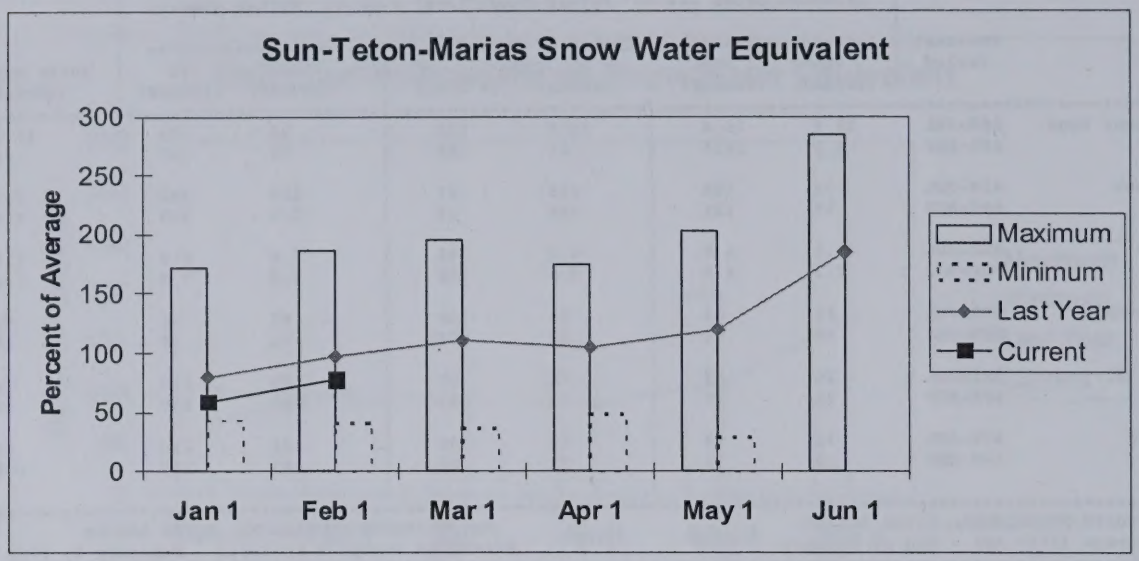
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the able.

he average is computed for the 1971-2000 base period.

1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
2) - The value is natural volume - actual volume may be affected by upstream water management.
3) - Median value used in place of average.

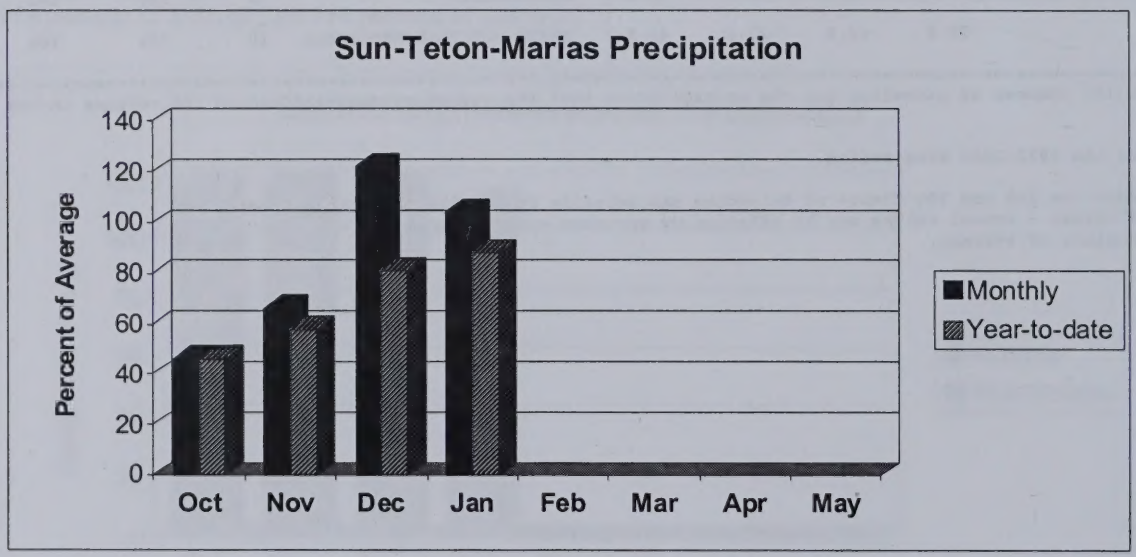
Sun-Teton-Marias River Basins

January snow water gain was slightly above average. Snowpack conditions in the Sun-Teton-Marias River Basins were below average and increased 19 percent from January 1. Snow water content in the Sun River Basin was 87 percent of average and 88 percent of last year; in the Teton River Basin was 74 percent of average and 82 percent of last year; and in the Marias River Basin was 75 percent of average and 77 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005 and 1998; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January in the Sun was 133 percent of average and 103 percent of last year; in the Teton was 125 percent of average and 108 percent of last year; and in the Marias was 93 percent of average and 84 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 87 percent of average and 83 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 57 percent to 75 percent.

Gibson storage was 72 percent of average and 156 percent of last year; Pishkun storage was 110 percent of average; Willow Creek storage was 125 percent of average and 116 percent of last year; Lower Two Medicine Lake storage was 27 percent of average and 35 percent of last year; Four Horns Lake storage was 60 percent of average and 100 percent of last year; Swift storage was 86 percent of average and 109 percent of last year; Lake Frances storage was 90 percent of average and 623 percent of last year; and Lake Elwell (Tiber) storage was 114 percent of average and 115 percent of last year.

Surface Water Supply Index (SWSI) was -0.4 in the Sun River; +0.3 in the Teton River; -1.3 in the Birch/Dupuyer Creeks; -1.4 in the Marias River above Tiber, and -1.2 in the Marias below Tiber.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BSON Reservoir Inflow	APR-JUL	280	335	375	82	415	470	460
	APR-SEP	310	370	410	81	450	510	505
O MEDICINE RIVER nr Browning	APR-JUL	109	134	151	74	168	193	205
	APR-SEP	118	144	161	75	178	205	215
OGER CREEK nr Browning	APR-JUL	37	54	65	76	76	93	86
	APR-SEP	41	59	71	75	83	101	95
IFT RESERVOIR Inflow	APR-JUL	32	43	51	80	59	70	64
	APR-SEP	40	52	61	79	70	82	77
PUYER CREEK nr Valier	APR-JUL	3.8	4.7	9.5	68	14.3	21	14.0
	APR-SEP	4.3	5.5	10.8	69	16.1	24	15.7
T BANK CREEK nr Browning	APR-JUL	35	49	59	77	69	83	77
	APR-SEP	39	54	64	76	74	89	84
RIAS RIVER nr Shelby (2)	APR-JUL	96	205	275	66	345	455	415
	APR-SEP	101	215	290	66	365	480	440
TON nr Dutton	APR-JUL	14.8	22	37	73	55	83	51
	APR-SEP	16.8	25	42	71	62	91	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BSON	99.1	33.0	21.1	45.8
SHKUN	32.0	19.5	0.0	17.8
LLOW CREEK	32.2	27.9	24.1	22.4
WER TWO MEDICINE LAKE	11.9	2.4	6.9	8.8
UR HORNS LAKE	19.2	7.1	7.1	11.9
IFT	30.0	13.4	12.3	15.5
KE FRANCES	112.0	60.4	9.7	66.8
KE ELWELL (TIBER)	1347.0	723.2	631.5	635.5

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	2	88	87
TETON	3	82	74
MARIAS	4	77	75
SUN-TETON-MARIAS	7	81	78

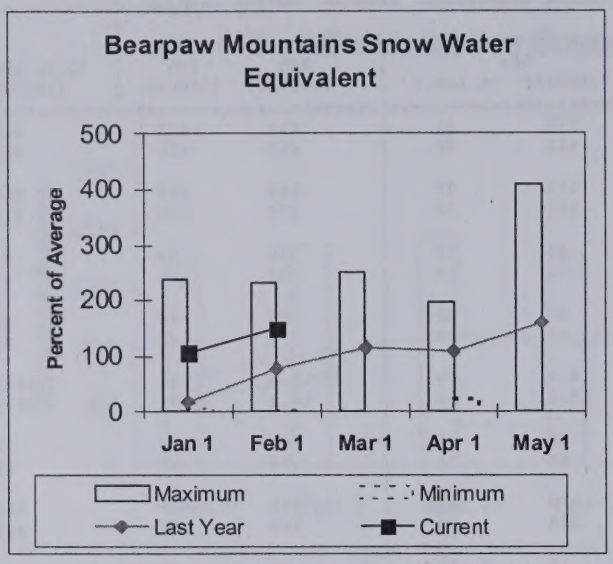
90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

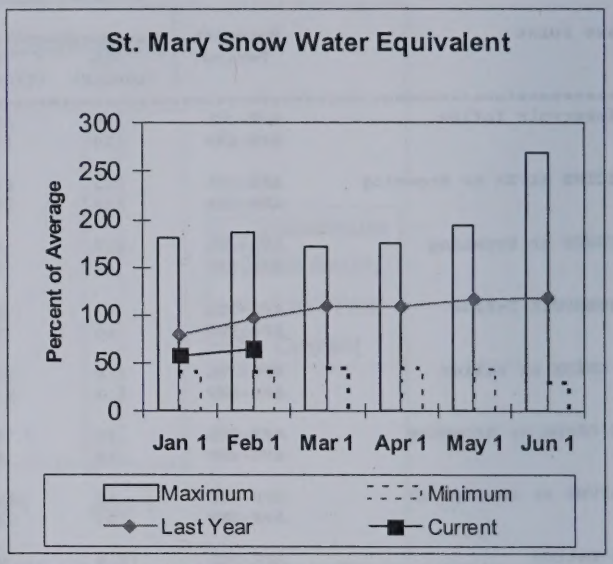
e average is computed for the 1971-2000 base period.

) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were near average. Saint Mary Basin January snow water gain was below average. Snow water content in the Saint Mary River Basin was 65 percent of average, 67 percent of last year, and fifth lowest of record. Snow water content in the Bearpaw Mountains was 131 percent of average, 244 percent of last year and fifth highest of record. Snow water content for the Cypress Hills in Canada was 162 percent of average and 161 percent of last year.

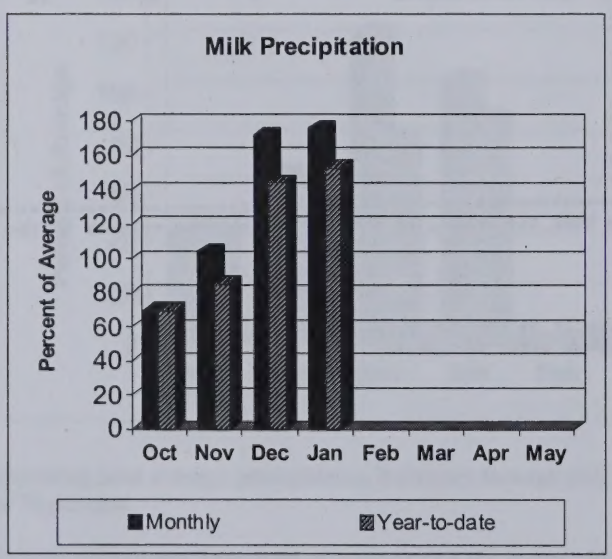


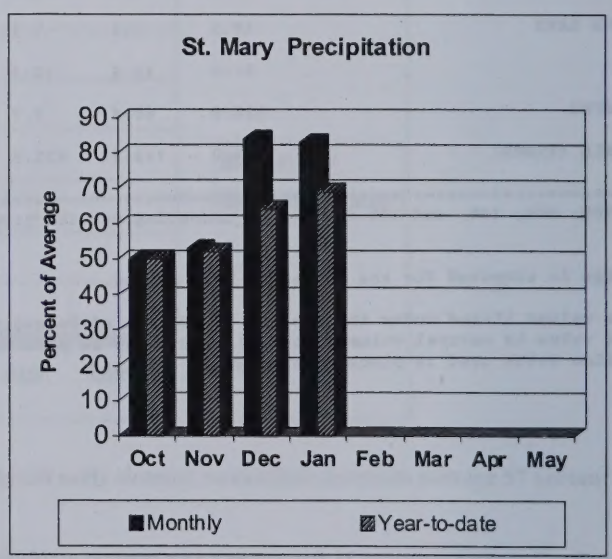


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 2001; March maximum swe was 1978 and minimum swe was2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1967 and 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during January was 83 percent of average and 65 percent of last year; and in the Milk River Basin during January was 180 percent of average and 202 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 101 percent of average and 117 percent of last year.





Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts in the St. Mary should average 69 percent to 77 percent and in the Milk should average 70 to 95 percent.

Lake Sherburne storage was 170 percent of average and 226 percent of last year; Fresno storage was 102 percent of average and 165 percent of last year; Beaver Creek storage was not available; and Nelson storage was 116 percent of average and 127 percent of last year.

Surface Water Supply Index (SWSI) was -2.4 in the St. Mary River and +0.5 in the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
AKE SHERBURNE Inflow	APR-JUL	66	75	81	77	87	96	105
	APR-SEP	80	89	95	78	101	110	122
T. MARY RIVER nr Babb (2)	APR-JUL	225	265	295	77	325	365	385
	APR-SEP	275	315	345	77	375	415	450
T. MARY RIVER at US/CAN Border (2)	APR-JUL	235	295	335	77	375	435	435
	APR-SEP	295	355	395	77	435	495	515
ILK RIVER @ Western Crossing (3)	MAR-JUL	7.5	19.1	27	66	35	46	41
	MAR-SEP	7.8	20	29	67	38	50	43
	APR-JUL	7.9	16.3	22	67	28	36	33
	APR-SEP	9.1	18.0	24	67	30	39	36
ILK RIVER @ Eastern Crossing (2,3)	MAR-JUL	24	36	61	73	86	124	83
	MAR-SEP	27	41	68	78	95	134	88
	APR-JUL	17.0	24	43	71	62	89	61
	APR-SEP	20	30	50	72	70	98	69
EAVER CREEK near Havre	MAR-JUL	8.1	11.6	14.0	146	16.4	19.9	9.6
	APR-JUL	4.0	7.1	10.6	122	15.8	28	8.7

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of January

eservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
AKE SHERBURNE	64.3	45.0	19.9	26.4
RESNO	127.0	51.0	31.0	50.1
EAVER CREEK		NO REPORT		
ELSON	66.8	39.6	31.3	34.2

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	2	67	65
BEARPAW MOUNTAINS	3	244	131
CYPRESS HILLS, CANADA	6	161	162
MILK RIVER BASIN	8	187	148
ST. MARY & MILK BASINS	11	106	96

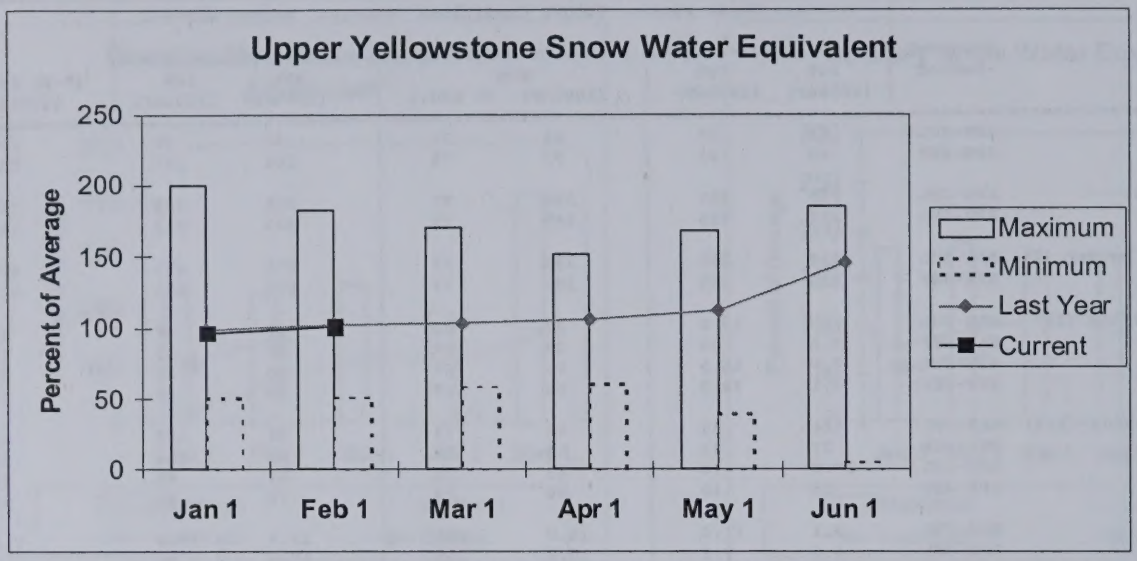
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the able.

he average is computed for the 1971-2000 base period.

1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
2) - The value is natural volume - actual volume may be affected by upstream water management.
3) - Median value used in place of average.

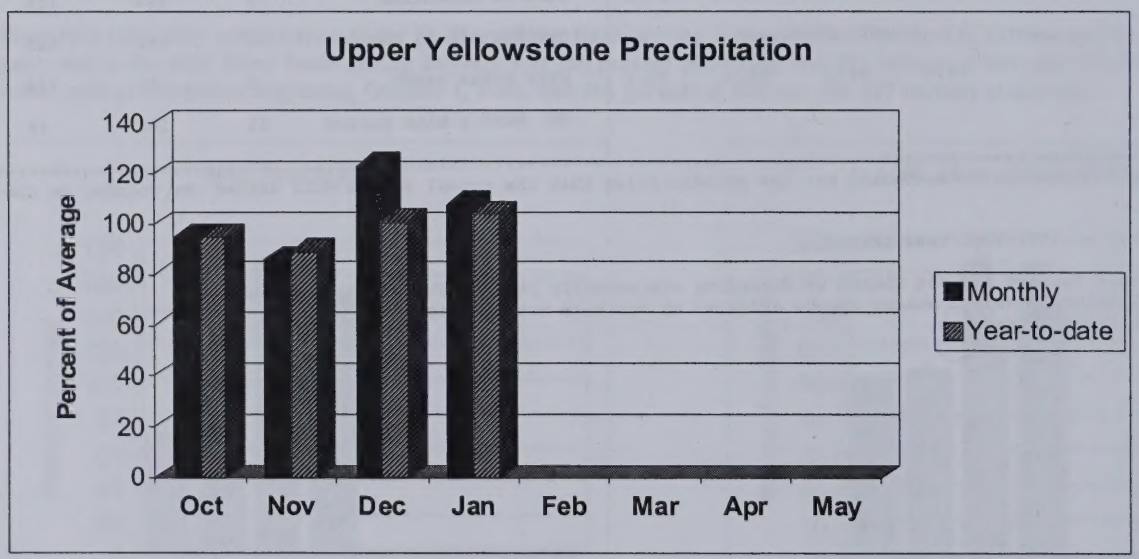
Upper Yellowstone River Basin

January snow water gain was above average. Snowpack conditions in the Upper Yellowstone River Basin were near average and increased 5 percent from January 1. Snow water content was 101 percent of average and 99 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during January was 114 percent of average and 109 percent of last year. Valley precipitation during January was 38 percent of average and 57 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 108 percent of average and 107 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 88 percent to 97 percent.

Mystic Lake storage was 83 percent of average and 83 percent of last year and Cooney storage was 121 percent of average and 111 percent of last year.

Surface Water Supply Index (SWSI) was +0.8 in the Yellowstone River above Livingston; +0.2 in the Shields River; +2.2 in the Boulder River; +0.3 in the Stillwater River; +0.1 in the Rock/Red lodge Creeks; +0.6 in the Clarks Fork River; and +0.8 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LLOWSTONE at Lake Outlet	APR-JUL	475	540	580	98	620	685	590
	APR-SEP	650	730	785	98	840	920	805
LLOWSTONE RIVER at Corwin Springs	APR-JUL	1390	1540	1650	100	1760	1910	1650
	APR-SEP	1660	1840	1970	100	2100	2280	1970
LLOWSTONE RIVER near Livingston	APR-JUL	1560	1750	1880	99	2010	2200	1900
	APR-SEP	1870	2100	2250	99	2400	2630	2280
IELDS RIVER nr Livingston	APR-JUL	48	94	126	87	158	205	145
	APR-SEP	52	102	137	85	172	220	162
ULDER RIVER at Big Timber	APR-JUL	245	285	315	111	345	385	285
	APR-SEP	260	310	340	108	370	420	315
STIC LAKE Reservoir Inflow (2)	APR-JUL	49	54	57	97	60	65	59
	APR-SEP	62	69	73	96	77	84	76
ILLWATER RIVER nr Absarokee (2)	APR-JUL	360	420	460	93	500	560	495
	APR-SEP	425	495	540	92	585	655	585
ARKS FORK RIVER nr Belfry	APR-JUL	445	500	535	99	570	625	540
	APR-SEP	485	540	580	98	620	675	595
ONEY RESERVOIR Inflow (2)	APR-JUL	23	34	41	87	48	59	47
	APR-SEP	32	43	51	90	59	70	57
LLOWSTONE RIVER at Billings (2)	APR-JUL	2750	3200	3510	100	3820	4270	3510
	APR-SEP	3020	3740	4100	100	4460	5180	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
STIC LAKE	21.0	5.3	6.4	6.4
ONEY	27.4	18.8	16.9	15.6

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	15	93	102
SHIELDS	4	99	91
BOULDER-STILLWATER	3	113	114
RED LODGE-ROCK CREEK	2	171	94
CLARK'S FORK	7	97	102
UPPER YELLOWSTONE BASIN	27	99	101

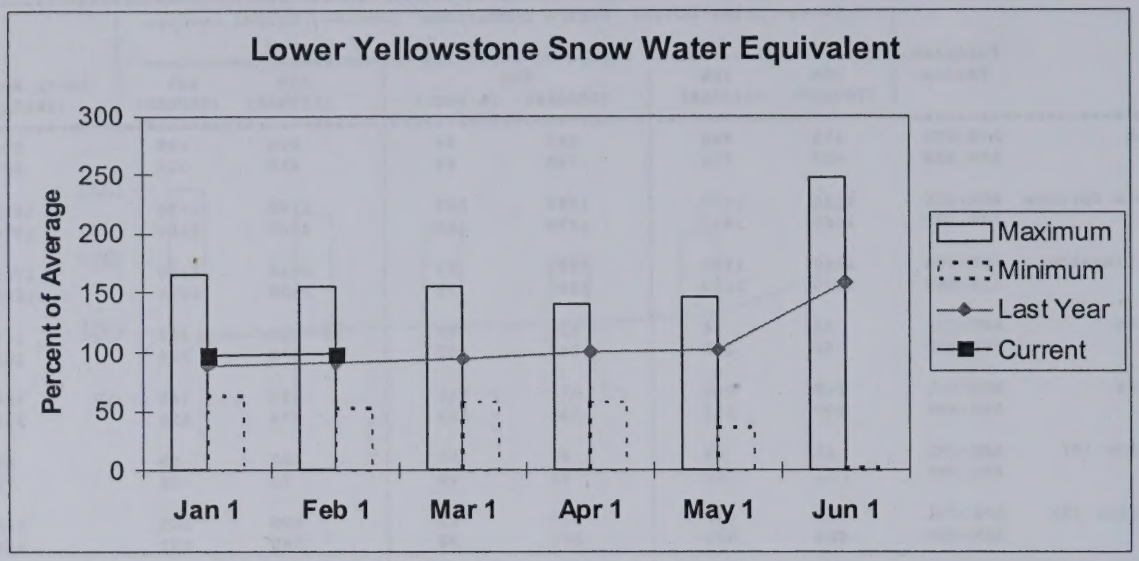
90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
) - The value is natural volume - actual volume may be affected by upstream water management.
) - Median value used in place of average.

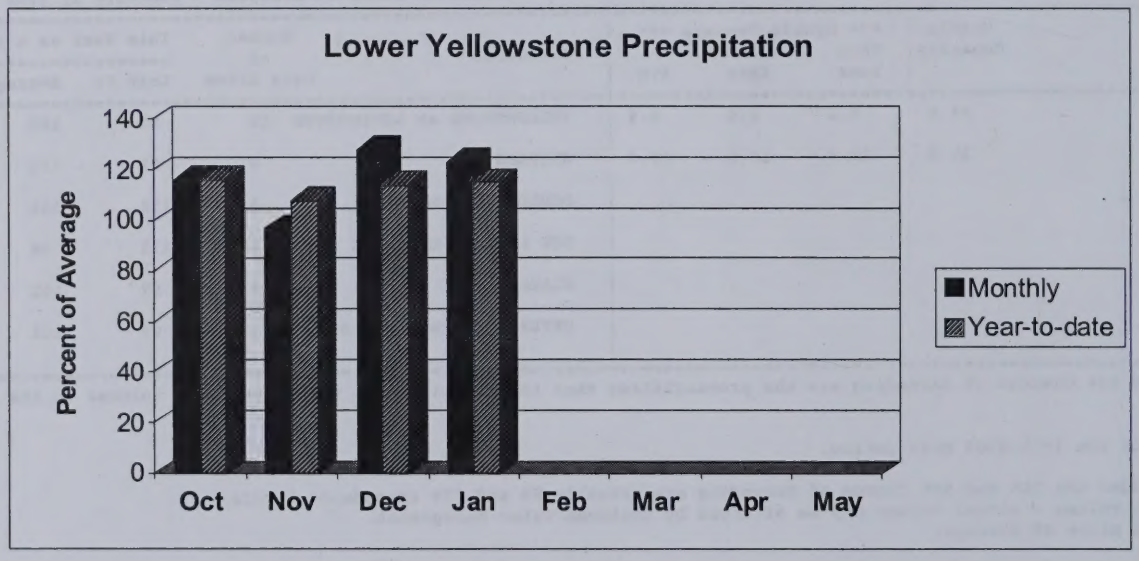
Lower Yellowstone River Basin

January snow water gain was above average. Snowpack conditions in the Lower Yellowstone River Basin were at average and increased 3 percent from January 1. Snow water content was 100 percent of average and 111 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January was 123 percent of average and 115 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 115 percent of average and 107 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 98 percent to 114 percent.

Bighorn Lake storage was 110 percent of average and 108 percent of last year and Tongue River storage was 254 percent of average and 113 percent of last year.

Surface Water Supply Index (SWSI) was +0.9 in the Bighorn River below Bighorn Lake; +1.8 in the Little Bighorn River; +0.9 in the Yellowstone River below Bighorn River; +3.1 in the Tongue River; and +2.4 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GHORN RIVER nr St. Xavier (2)	APR-JUL	1010	1370	1620	101	1870	2230	1610
	APR-SEP	1070	1480	1750	99	2020	2430	1760
TTLE BIGHORN RIVER nr Hardin	APR-JUL	87	116	135	106	154	183	128
	APR-SEP	98	130	151	105	172	205	144
NGUE RIVER nr Dayton (2)	APR-JUL	84	102	115	120	128	146	96
	APR-SEP	98	118	131	120	144	164	109
G GOOSE CREEK nr Sheridan	APR-JUL	45	56	64	123	72	83	52
	APR-SEP	52	64	72	120	80	92	60
TTLE GOOSE CREEK nr Big Horn	APR-JUL	29	36	41	121	46	53	34
	APR-SEP	38	46	51	121	56	64	42
NGUE RIVER RESERVOIR Inflow (2)	APR-JUL	173	235	280	127	325	385	220
	APR-SEP	205	270	315	126	360	425	250
LLOWSTONE RIVER at Miles City (2)	APR-JUL	3980	4740	5250	98	5760	6520	5360
	APR-SEP	4450	5480	6070	98	6660	7700	6210
WDER RIVER at Moorehead	APR-JUL	170	230	270	132	310	370	205
	APR-SEP	197	260	300	130	340	405	230
WDER RIVER nr Locate	APR-JUL	186	260	310	132	360	435	235
	APR-SEP	210	290	345	133	400	480	260
LLOWSTONE RIVER nr Sidney (2)	APR-JUL	4000	4850	5430	99	6010	6860	5480
	APR-SEP	4590	5530	6230	99	6930	7870	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of January

servoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GHORN LAKE	1356.0	943.8	872.7	859.5
NGUE RIVER	79.1	57.6	51.2	22.7

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	20	96	86
SHOSHONE RIVER (Wyoming)	6	107	97
BIGHORN RIVER (Wyoming)	20	116	107
LITTLE BIGHORN (Wyoming)	3	134	114
TONGUE RIVER (Wyoming)	10	127	120
POWDER RIVER (Wyoming)	9	118	115
LOWER YELLOWSTONE BASIN (	48	111	100

90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the ble.

e average is computed for the 1971-2000 base period.

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) - The value is natural volume - actual volume may be affected by upstream water management.
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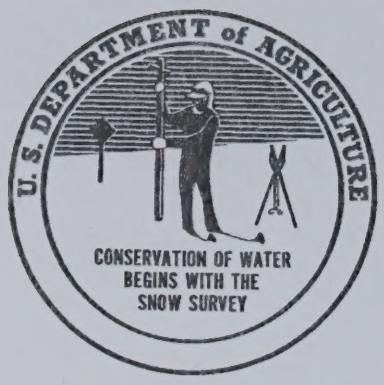

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Bozeman, MT 59715

Montana
Water Supply Outlook Report

Natural Resources Conservation Service
Bozeman, MT